

THE ORIGINAL RESTORATION MAGAZINE

OLDHOUSE

JOURNAL

WWW.OLDHOUSEJOURNAL.COM

Wallpaper

Picking Period Friezes

Interior Upgrades

Buyer's Guide to Wood Flooring

Tackling Tarnished Hardware

Saving Plaster Ceilings

Building Decorative Beams

The Architecture of

Glass Block

BONUS CENTERFOLD

Great American House
Prairie Style

#BXNBQLB**AUTO** 5-DIGIT 07076
#037E100001682942# 0101 M/A03 Z
STACY SPIES 12
407 WARREN ST
SCOTCH PLAINS NJ 07076-1920 30



© 1998 JELD-WEN, Inc. JELD-WEN, Pozzi and Pozzi Wood Windows are registered trademarks of JELD-WEN, Inc.



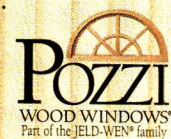
Everyone thinks their
children are perfect.

Susan's are within 1/16 of an inch.



Susan Miller,
Specials Detailer

When you're sweating the details, you get attached to your work. Equal parts art and engineering, every Pozzi® wood window is checked to within 1/16" of specs. Then artisans like Susan often have their photo taken with their handiwork before shipping. Why so proud? Likely for the very same reasons you'll have for owning one.



HANDCRAFTED IN BEND, OREGON.™

Free catalog:
1-800-257-9663 ext. P9.
www.pozzi.com

C O N T E N T S

JANUARY|FEBRUARY 2001
VOL. XXIX, NO. 1
ESTABLISHED 1973

Editor's Page 6

Letters 8

Old-House Living 12

A chorus of OHJ readers chimes in with a medley of Remuddlings.

Journal 17

Architectural theft vigilantes, a wallpaper chase, and Bela's bungalow.

Design In Time 22

BY ROBERT M. KELLY
Four decades when friezes were hot.

Fine Fittings 27

Old-House Mechanic 31
BY DAN HOLOHAN
Bringing radiant heat to wood floors.



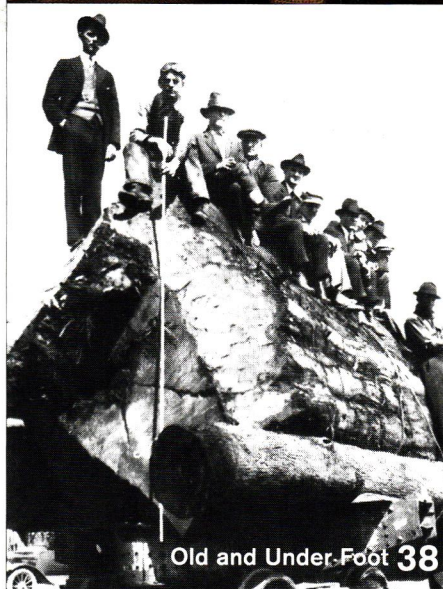
Design In Time 22



Fine Fittings 27

ON THE COVER: At the turn of the 20th century, middle-class homeowners topped their wallpaper with friezes in a complementary design. This Hunter Stripe pattern was reproduced by Thibaut from an original found in a 19th-century home in Walpole, N.H.

Photo by David Sharpe



Old and Under-Foot 38

38 Old and Under Foot

BY KATHLEEN FISHER

Failed factories and river bottoms yield wood flooring with character.

44 Box Beam Basics

BY GORDON BOCK

Two approaches to picturesque false-beam ceilings.

46 The Architecture of Glass Block

BY ELIZABETH A. PATTERSON
AND NEAL A. VOGEL

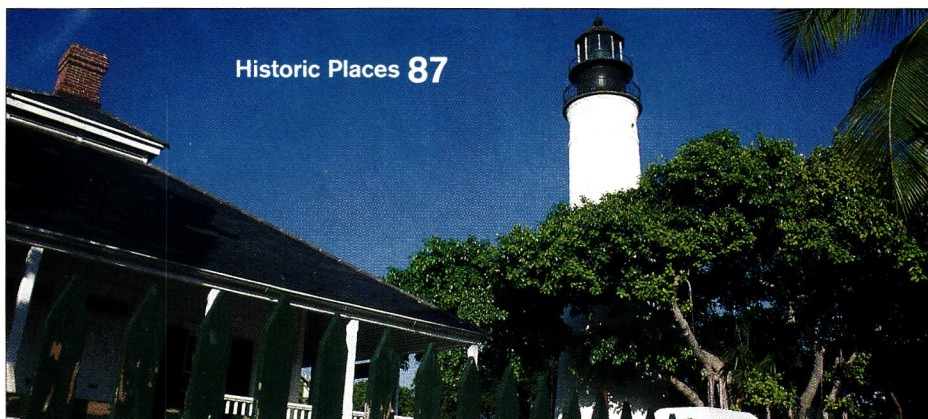
High style in the 1930s, reborn in the '80s, a building material that grants both light and privacy.

CONTENTS CONTINUES ON PAGE 4

Online www.oldhousejournal.com



C O N T E N T S



Historic Places 87

52 Hanging by a Hair

BY PETER AND NOELLE LORD

Here's help for plaster ceilings that have become the Sword of Damocles.

59 Prairie Style

BY JAMES C. MASSEY AND SHIRLEY MAXWELL

When Wright and colleagues captured the feel of the Midwest in architecture, they created a new kind of house.

67



Old-House How-To 67

Basics: Tackling Tarnish 67

BY MARYLEE MACDONALD

If time has tested your metal, take a shine to it.

Advisor 74

Products 78

Good Books 81

BY MARYLEE MACDONALD

An essay on architectural ornament.

Historic Places 87

BY DIANA JARVIS GODWIN

Fierce loyalty to its past gives Key West a fascination way beyond Hemingway.

Swaps & Sales 95

Resource Network 108

Remuddling 114



Prairie Style 59



Reward Yourself

Nothing compares to the barefoot comfort of radiant warm floor heat. Tile, marble and wood floors radiate cozy and efficient warmth that will pamper you. You'll describe it to your friends in a word — *Ahhh*.

And, the cost savings of up to 40% over conventional forced air heating systems may leave you at a loss for words.

Circle no. 421

Improve the water quality in your home with our AQUAPEX plumbing system. Eliminate water contamination, corrosion, and other problems inherent in metal piping. Clean and pure water is basic to your good health.

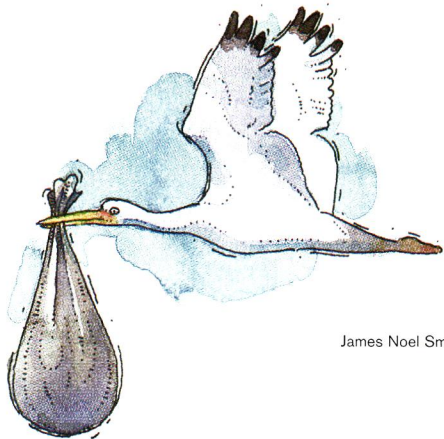
Come with us for warm floors and healthy water. We will change the way you live.

WARMFLOORS™
RADIANT HEATING

AQUAPEX®
PROFESSIONAL PLUMBING

WIRSBO®

1 800-321-4739 • www.wirsbo.com



James Noel Smith

New Arrivals

The beginning of a new year is an auspicious time to launch growth projects and set new ideas in motion. With this spirit in mind, here's a few of the plans in the works at Old-House Journal for the year 2001.

Starting in this issue, look for a new column called Design in Time that will be a regular feature in upcoming OHJs. As the name suggests, the running theme of this front-of-the-book department will be the architectural principle or concept behind an aesthetic element commonly seen in old houses, especially as it relates to history and the ebb and flow of house styles and decorative modes. Design in Time may center on the interior architecture of rooms, but this will only be a starting point. From here we want to explore the relationships of, say, door and window trim to furnishings, or how they connect with the stylistic elements on the outside of the building.

For the premiere installment we decided to return to a favorite wintertime subject, the world of wallpaper, and to examine a specific area of this multifaceted decoration—the frieze. As author Robert Kelly explains, wallpaper friezes are not only architectural in the manner they are used at the top of a wall, they are architectural in origin, literally taking both their form and early patterns from the exterior ornamentation on ancient buildings. It is this kind of surprising relationship we hope to learn more about in future Design in Time articles. Other subjects on the docket are why there's more to chair rails than chairs, how the writings of a British furniture critic wound up changing American

Victorian porch woodwork, and the origins of mid-century-modern window shapes.

Regarding the latter, watch out for more articles in the coming months on houses from the first half of the last century. No, I'm not talking about the 1850s but the 1950s. As I write, the houses built before 1951 are now fair game for serious architectural scrutiny, and the buildings themselves are presenting interesting restoration questions. Actually, it's their materials that have us most excited. While we move through the editorial year we plan to cover more on structural glass, laminates, and innovative construction methods, such as the thin-wall systems of Frank Lloyd Wright's Usonian houses.

Not bad for a fresh crop of ideas but, as they say on TV, wait there's more! Through the pages of the Historic Places feature, we'll be traveling off the usual house museum circuit to visit distinctive towns such as Asheville, N.C. and Mason City, Iowa. Over the summer, enjoy a special issue focusing on stone houses and masonry that will also take a decidedly horticultural turn with rock gardens. All the while we'll keep exploring historical kitchens, bathrooms, paint schemes, and the other endlessly rich areas of old houses that OHJ readers always ask about. Even better, you'll be able to find more or related information for selected articles on the OHJ web site, www.old-housejournal.com. Stay tuned for an interesting year.

OLDHOUSE JOURNAL

EDITOR-IN-CHIEF Gordon H. Bock

ART DIRECTOR Judy H. Neighbor

SENIOR EDITOR Kathleen Fisher

GRAPHIC DESIGNER Kristina Goings

CONTRIBUTING EDITORS James C. Massey
Shirley Maxwell
Marylee MacDonald
Steve Jordan

EDITORIAL OFFICES One Thomas Circle NW
Suite 600
Washington, D.C. 20005

TEL (202) 452-0800

FAX (202) 785-1974

SUBSCRIPTION INQUIRIES (800) 234-3797

PUBLISHER John A. Pagliaro

SR. MARKETING MANAGER Alison Smith

DIRECTOR OF RETAIL SALES Chuck Tripp

DIRECTOR OF PRODUCTION Cathy Underwood

PRODUCTION MANAGER Mary Ann Panicia

AD TRAFFIC MANAGER Greta Springett

DIGITAL AD MANAGER Eric Franzen

DIGITAL IMAGING MANAGER George Brown

DIGITAL IMAGING COORDINATOR Betty Kerwin

SPECIAL PROJECTS WRITER Melissa Dole

BUSINESS OFFICES Hanley-Wood, LLC
One Thomas Circle, NW
Washington, DC 20005

TEL (202) 736-3409

MAGAZINE DIVISION

PRESIDENT, MAGAZINE DIVISION Peter M. Goldstone

VICE PRESIDENT, EDITORIAL DIRECTOR Paul Kitzke

VICE PRESIDENT PRODUCTION Joanne Harap

VICE PRESIDENT CIRCULATION Maxx MacConnachie

VICE PRESIDENT MARKETING Ann Seltz

VICE PRESIDENT INFORMATION TECHNOLOGY Scott Hall

VICE PRESIDENT FINANCE John Dovi



PUBLISHED BY HANLEY-WOOD, LLC

CHIEF EXECUTIVE OFFICER Michael M. Wood

PRESIDENT Frank Anton

EXECUTIVE VICE PRESIDENT John M. Brannigan

CHIEF FINANCIAL OFFICER James D. Zielinski

FOR MORE INFORMATION:

Subscription Sales & Service: (800) 234-3797

Back Copy Sales & Service: (800) 931-2931

Bookshop Sales: (800) 931-2931

The Restoration Directory: (800) 931-2931

Historic House Plans: (800) 931-2931

Reprint Sales (bulk): (877) 734-6650

© Copyright 2000 by Hanley-Wood, LLC
All rights reserved.

PRINTED IN U.S.A.

Privacy of Mailing List: We rent our subscriber list to reputable companies. If you do not wish to receive promotional material from other companies, please call us, toll free, at 800-234-3797.



Thousands lose their sight each summer trying to cool their homes.

If window units are eye-sores on the outside, they're gaping wounds inside. They're ugly and they block your view of the outdoors. They're security risks to boot. You can afford a better solution; Mr. Slim® Ductless Air Conditioners and Heat Pumps, from Mitsubishi.

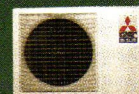


indoor unit

Mr. Slim's streamlined indoor air handler mounts discreetly on walls or ceilings with no ductwork. Refrigerant lines connect to the outdoor condenser through a small opening in the wall or ceiling.

Mr. Slim is as easy on the ears as it is on the eyes, cooling powerfully but quietly. It's perfect for areas where ductwork can't reach, like room additions, home offices, patio enclosures, or your whole house if there's no ductwork at all. Mr. Slim can be installed in a few hours. Once installed, there it stays. Every component is built to last for years.

If you'd like to know more about Mr. Slim, visit us at www.mitsubishielectric.com/hvac. Or call Mitsubishi Electric at 1-800-433-4822, press 3.



outdoor unit

 **MITSUBISHI
ELECTRIC**
HVAC Advanced Products Division
Solutions for your surroundings

PLAINS FANCY

WE READ YOUR Spanish Colonial Revival feature (Gatefold, Nov/Dec 2000 OHJ) with great interest. Our house is a Sears, Roebuck & Co. Honor Bilt Model #2090 "Alhambra," one of those Mission Revival catalog homes you mentioned. I'm sure it was considered quite an oddity in 1923 when my great-grandparents built it out here on the South Dakota prairie.

As you can see from the photo, they were really a Foursquare in disguise with Mission-style parapets on the dormers, porch, and attached stairway. A matching garage completed the package for around \$2,000. The oak interiors are Arts & Crafts styling, but Sears' "suggested interiors" décor was more romantic—over-stuffed rather than Mission.

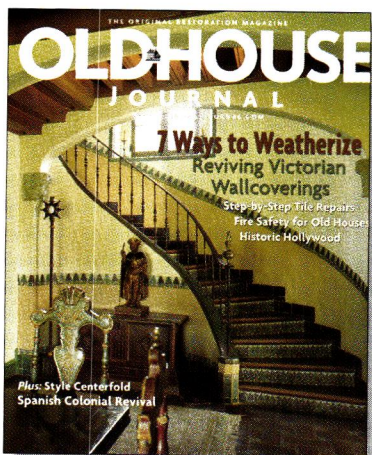


and kitchen. A great aunt who grew up in this house said it has 409 window panes.

We've been subscribers and avid readers of OHJ for about five years. Every other month it's a race between us to see who gets to our rural mailbox to get their hands on the magazine first.

Many thanks for your helpful advice on stucco repair in your June 1998 issue. We found an expert in our state and repair is ongoing.

We wish we'd known of OHJ when going through the process of placing our



home on the National Register of Historic Places. We have since learned a great deal from your magazine about architectural features and preservation/restoration. OHJ has been invaluable while rehabilitating our home as a B&B.

Cheers for OHJ and mail-order catalog homes. They've stood

the test of time. We hope the fifth and sixth generations enjoying this old house will continue to enjoy your publication.

—KENNY AND LYNDY IRELAND

Philip, South Dakota

CANVAS ANSWERS

I COULDN'T BELIEVE IT when I read Karen Bonadio's "Making a Full Recovery" (Nov/Dec 2000 OHJ). I have asked hundreds of people what to do about our walls and ceilings, which are covered in hand-stenciled canvases dating from about 1900. No one had any answers. When I read the article, I knew you did. Several of the surviving canvases have separated from the walls and ceilings.

Many places are cracked and brittle, some are water damaged, others (egads) have been painted over with latex paint. Any suggestions for re-adhering the canvases without removing them? To do so would further damage many of them. Can the latex paint be removed without also taking off the original designs? (I think they are covered with shellac.) I will need help recreating some of the missing or damaged images, although there are already a lot of big ticket items to be addressed in our 117-year-old beauty. Thanks for your contribution in keeping these gems shining!

—CHERYL PALERMO
St. Joseph, Mo.

ADVERTISING SALES OFFICES
HEADQUARTERS

PUBLISHER John A. Pagliaro
One Thomas Circle N.W., Suite 600
Washington, DC 20005
TEL (202) 452-0800 FAX (202) 785-1974

EAST COAST

Roger Borsett
PMB 51
3280 Sunrise Highway
Wantagh, New York 11793-4064
TEL (516) 679-7770 FAX (516) 679-7771

MIDWEST

Barbara Moeller
209 Cutacross Road
Golden Valley, MN 55422
TEL (736) 542-9730 FAX (612) 632-2883

WEST COAST

Stephen Williams
Home Planners, LLC
3275 West Ina Road, Suite 110
Tucson, Arizona 85741
TEL (520) 297-8208 FAX (520) 297-6219

CANADA

John Magner/Colleen T. Curran
York Media Services
99 John Aselford Drive
Kanata, ONT K2W 1A8
TEL (613) 839-3749 FAX (613) 839-2555

MAIL ORDER/CLASSIFIED

Barbara Jones
Mail Order Sales Manager
181-20 140TH Avenue
Springfield Gardens, NY 11413
TEL (718) 712-0757 FAX (718) 712-1061

PRAIRIE collection

The timeless lines of our Prairie Collection are inspired by the Arts & Crafts period of our history. It brings to any kitchen architectural distinction, honest craftsmanship, and the natural warmth of America's most enduring wood: oak.



Black CoveTM
c a b i n e t r y

Designers and Suppliers of
Fine Custom Cabinetry

Call 1-800-262-8979 Circle no. 480
for a private consultation

137 Pleasant Hill Rd. • Scarborough, Maine 04074

LETTERS

Karen Bonadio responds: Removing latex paint is a delicate operation, especially when there are stencils underneath. If your budget doesn't allow for a skilled conservator to do the work, at least have an expert take a "look-see" before you proceed. All projects involving painted-over surfaces are case-by-case.

Use a least-invasive product, which stays on the surface rather than penetrating. (Citrus Strip has a pleasant scent and is user friendly.) Test it on a small area and leave it for several hours. If it starts to dry, apply aluminum foil. Then wipe it off. Do not use the solvent on any area more than once, or you may cause permanent damage.

Secure loose panels with the Spray 90 recommended in the article. For corners or edges, Liquid Nails is an easy-to-use product.

GUTTER REACTION

I APPRECIATE William T. Cox Jr.'s "Toward

Better Gutters" (Sept./Oct. 2000 OHJ). Having lived in a turn-of-the-century Victorian for almost 20 years, I can attest to the importance of functioning gutters. In this regard, however, it should be emphasized that not everything designed 100 years ago is worth saving or restoring.

Our house was originally constructed with wooden gutters about 12" in from the edge of the roof, so that water was trapped there. This might work for a while, but over time it is destined to cause problems. On a roof edge 30' above ground, it is simply not practical to maintain a permanent watertight seal. Our inspections indicate that it led to repeated major water problems over the past century. Since moving in, we have gradually replaced all the wooden gutters with hanging metal ones. Now if the gutters get blocked, all that happens is that water falls straight off the

edge and we know about it immediately. Although the original appearance is altered, the white gutters match the trim and they surely look a whole lot better than an authentic roof edge with rotting eaves.

On another matter, the author suggests that one can clean gutters by renting a cherry picker for about \$80 a day. I wonder where he lives or if he is just remembering the good old days. Where I live it can cost several hundred dollars for just half a day.

Thanks again for an important article.

—WAYNE MITZNER
Baltimore, Md.

William Cox says the cost in his area has gone up since he wrote the article. A self-propelled 20-foot man-lifter (as they're called in the rental trade) will set you back \$93 a day. In the Baltimore-Washington, DC, area, the smallest gas-powered machine is



a 40-footer for \$250 a day. Smaller electric contraptions can be had for around \$200.

SHINGLE IN THE CITY

RECENTLY MY COUSIN invited me for lunch at her "new" old house on Buffalo's Linwood Avenue. While waiting for the chicken to be grilled, I picked up your magazine, turned to the article about old houses in Buffalo (Sept./Oct. 2000 OHJ) and realized that the opening picture was the view I had from the living room window. I thought you might like to hear more about one of the houses on Linwood.

Joseph O'Gorman and Ellen Reilly bought their 1891 Shingle-style house in 1999, and their "Project" has become famous locally. The interior is 4,500 square feet with 12' ceilings and much intricately carved woodwork. The seven ceiling-high fireplaces of oak, cherry, or maple have

built-in nooks and crannies with little glass doors. Some have ceramic tile facings and hearths, all in different colors and designs. This house also boasts stained-glass windows, a porte-cochere, and a carriage house.

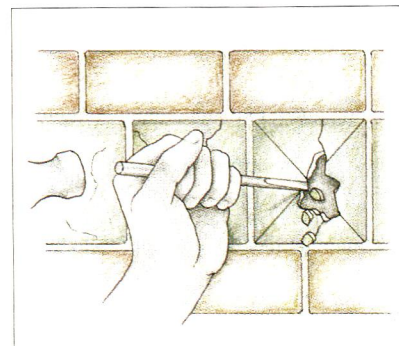
Former owners had divided the house into five apartments and the whole thing was in disrepair. Joe and Ellen are doing as much as they can on their own or with the help of family. The latest work-in-progress has been the removal of a room that had been built out onto the expansive front porch. Before I came for lunch that day, they had located the site of the grand staircase that had long ago been removed. The banisters and most of the other pieces were in the attic.

Every day they make a new discovery, and they will have the showplace of the neighborhood when their restoration is completed.

—DOROTHY HENSEN
Williamsville, N.Y.

BACK TO THE DRAWING BOARD

Oops! In "The Six R's of Tile Repair" (Nov./Dec. 2000 OHJ) we managed to leave out one of our explanatory drawings and run another one twice. Here's the correct drawing for Step C in removing a tile: "Next, working with a small cold chisel, break the tile out in pieces." If you like you can cut (from this issue) and paste (into that one).

A color photograph of a man and a woman standing in front of a house with horizontal siding. The man is holding a can of Cabot's paint. The woman is smiling and pointing towards the can. The house behind them has a gabled roof and a chimney. The overall tone is warm and inviting, suggesting a successful home improvement project.

There's over a century of commitment in every can of

David & Bethann Lynch
Cabot customers since 1989.

Cabot
PREMIUM WOOD CARE
SINCE 1877
QUARTZ SOLID COLOR ACRYLIC STAIN
LONG-LASTING OPAQUE FINISH
0667 DUNE GRAY
15 YEAR GUARANTEE ON NON-PEEL
ONE U.S. GALLON 3.785 LITERS

To find your nearest retailer, call 1-800-US-STAIN ext. 416, or visit www.cabotstain.com/416

OLD HOUSE LIVING

Opinion



REMUDDLING MEDLEY

We've had such a symphony of remuddling letters come our way of late, we thought we'd orchestrate them into a set, so to speak, for this issue's Old-House Living feature. The idea is not so offbeat. Old-House Living is typically a tale about the human impact of the restoration process, and what happens to the exterior of an old house, restoration or not, affects all who see it.

As long-time OHJ readers know, remuddling is defined as misguided remodeling—that is, an alteration that is insensitive to the architecture or character of the house. Remuddling is presented as a negative education, but it is also meant to be a bit of fun. This back-of-the-book department debuted nearly two decades ago in October 1981, and ever since then it has been the most popular and well-known page in OHJ. In fact, the word remuddling has entered common use.

You get the picture. As ever, if you are inclined to submit a picture for Remuddling, please send original color prints—no newspaper clippings—and try to include a photo of a similar, but unremuddled building. If we use your photos, we'll conduct you a melodious \$100.

WHERE NO HOUSE HAS GONE BEFORE

From Flushing, New York, not far from the site of the 1964 World's Fair, comes a photo of a vintage building with a space-age sleek, ultramodern ground floor and chimney. "I guess the old house is buried underneath and trying to peek out," writes Ira Cohen of Great Neck. Perhaps there's a time-warp between each storey.



MATERIAL DIFFERENCES

"This home is in the lake area of Southeastern Wisconsin," says Dave Abresch of Menowonee Falls. "I'm not sure of the material and style, but it may be built of local limestone." We can't say for sure either, but the way the horizontal siding meets stonework is unique to say the least.



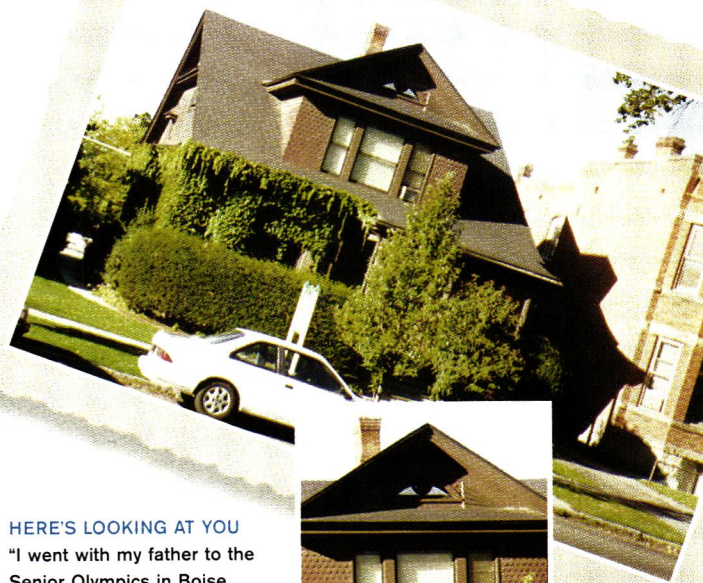
RAISING THE ROOF

"I enclose prints I took on a side trip to Fulton, Missouri, known for Winston Churchill's famous Iron Curtain speech," writes Ed Weilbacher of Waterloo, Ill. "The town has a wonderful collection of historic homes, and we marvel at the energy that many people put into a proper restoration. On the other hand, it pains us to see people spend good money to devalue their property." His photos show a gable roof being erected over a mansard roof. Indeed, roofs help define the form and style of a house, and when an entire roof is altered, it's bound to change the house.



PORCH PERSPECTIVE

"I spotted this charming porch facelift and corresponding eye-catching color treatment in a bungalow neighborhood near my house," says reader Marian Austin. "Loveland (Colo.) is filled with these small bungalows, so it was no trouble to find its unmolested version a few blocks away." Full-width porches are important character-defining features on small houses; when they're lost or filled in, the appearance of the building often shifts radically.



HERE'S LOOKING AT YOU

"I went with my father to the Senior Olympics in Boise, Idaho, recently when I came across this house in the downtown area," relates Joe Benintonde of El Cajon, Calif. "Is this an eyebrow dormer or what?" Maybe the house needed help seeing over all the vegetation. That would make it a creeper peeper.



BEING IGNORED IS BLISS

"Ironically, the house on the left was a semi-detached for many years before an enlightened family who cared about the home rehabilitated it," says August Gene Grulich of Tacoma, Wash. "Most of the features remained intact but covered with dull gray peeling paint. It's a case of what I call 'preservation by neglect.'" Its companion to the right, on the other hand, appears to have fewer details today, despite some recent attention.



SUNLESS DISPOSITION

Thomas Bullock of Pollock Pines, Calif., writes: "As I drove through Cimmaron, Kansas, I noticed this house (at left). Driving around the block to get another picture, I found a second, similar house (below). Given the size of the town, I am confident that both houses were the effort of the same architect/master carpenter of 1885. Were the brick pillars an attempt to change the Fourquare to a bungalow?" Judging by the dimly lit areas under that low-pitch gable roof, only the shadow knows for sure.



EXTRA CHEESEY?

Ordinarily, adaptive re-use is to be applauded as an alternative to bringing in the bulldozers, but this Foursquare in Hanover, Penn. may be of a different order. "I'm not sure how long it has been this way, but I remember seeing it as a pizza parlor for at least 15 years," says Theresa Bethune of Westminster, Md.



DEAR DEPARTED

"Here are photos of a beautiful brick Queen Anne buried by a mortuary," writes Mona Rummel, who lives in Eugene, Ore. "I couldn't help noting the We Care sign nearby." There's no question that building upgrades can be a big undertaking, but they shouldn't risk being a grave mistake.



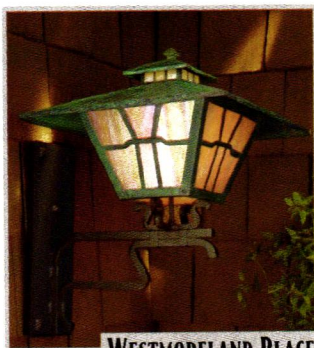
MULTIPLE PERSONALITIES

Philip Nord of Bryn Mawr, Penn. sent in this photo with the terse comment that he "Thought this might be of interest" That's putting it mildly. While it's hard to divine what this house looked like the day it was built, chances are it didn't have three different configurations of windows on the first floor, two on the second floor, and three on the third floor—or a third floor at all.

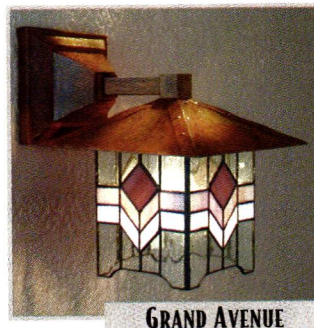


FRUSTRATING FENESTRATION

"The enclosed photos were taken this spring in Cedar Rapids, Iowa," says John Weger of Littleton, Colo. "One stands in sharp contrast to its 1930s neighbor (inset) and many other similar homes." Over and above what appear to be other recent changes, such as the entrance porch and low shed dormer, again it's the assortment of window types—picture window on the right of the first floor, for example, triple windows on the left—that sends a mixed stylistic message



WESTMORELAND PLACE



GRAND AVENUE

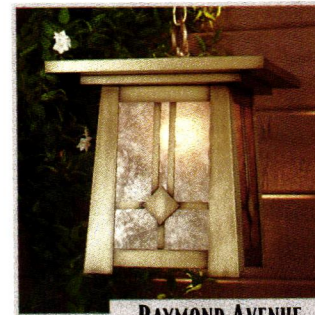
"For The Ultimate Bungalow"



OAK KNOLL AVENUE



LAKE AVENUE



RAYMOND AVENUE

OLD CALIFORNIA
LANTERN COMPANY

"Where History and Architecture Come to Light"

Call or write for our new color catalog. Please visit our web site to see our complete selection of lantern options and specifications.

975 N. Enterprise Street Orange, CA 92867

www.oldcalifornia.com

Tel: 800-577-6679 Fax: 714-771-5714

NEW



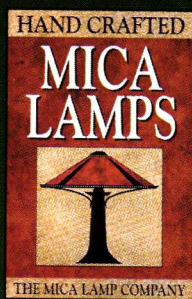
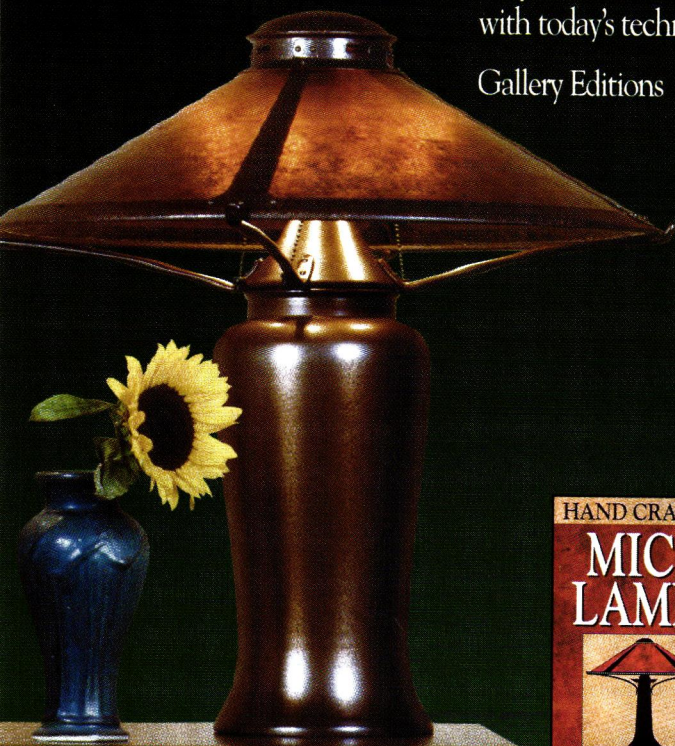
F101-LA

The Mica Lamp *and Fan* Company

Style Circa 1900
with today's technology

Gallery Editions

5 blade • 52" width • remote control • quiet lifetime motor



Authentic Designs c.1900
Made in the U.S.A.



F101-C8



F101-GA



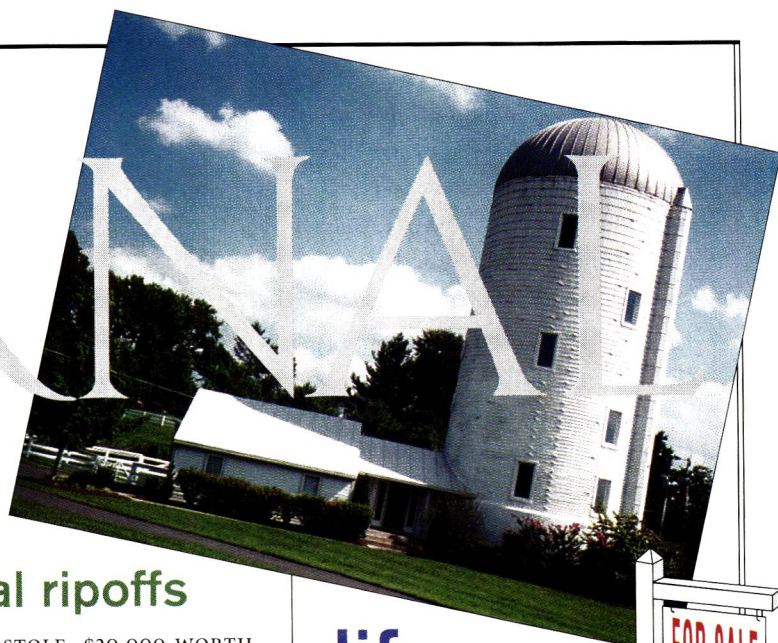
F101-AG



F101-CO

517 State Street • Glendale, CA 91203 800-90-LAMPS • Fax: (818) 241-5439
Sales Office: (818) 241-7227 • High Point C&D • Dallas TradeMart
New Catalog Available Call for the Mica Lamp dealer nearest you.
www.micalamps.com Circle no.158

OLDHOUSE JOURNAL



Upping the ante on architectural ripoffs



Photo by Allison Kelsey

WHEN BOLD THIEVES STOLE \$30,000 WORTH of stained and beveled glass windows from a Philadelphia suburb last summer—half in one night and the rest 24 hours later—it was the last straw.

Reporter Tom Ferrick, who was covering the cityscape for the *Philadelphia Inquirer*, had grown tired of seeing architectural theft treated as a minor league crime. “I had to do something besides sit and wring my hands.”

He wondered: Why not reward tipsters who would rat on the thieves or their buyer? The University City Dis-

life without fodder

PRESERVATIONISTS, NEIGHBORS, and new owners—everybody wins with imaginative examples of adaptive re-use. (That’s the altering of a structure built for one purpose to function in a different role). One creative example is this five-level home on the Virginia side of Washington, D.C. On the market this fall for \$850,000, it was built in 1957 and renovated 13 years ago. The work won awards from the National Trust for Historic Preservation and *Remodeling* magazine. The biggest challenge was cutting windows through the 3"-thick concrete, steel reinforced to withstand the pressure of the grain. Developers of the community that replaced the dairy farm on the site didn’t stop with the silo. They also converted barns into a day care center. Just think what you could do with that old chicken coop....

Wanna tour the silo site? Try www.homedatabase.com and plug in MLS #FX3278386.

B&B Focus

WILLIAMS HOUSE, HOT SPRINGS NATIONAL PARK, ARKANSAS

Less than five blocks from Hot Springs’ historic downtown shopping area and famous Bathhouse Row, this brick-and-brownstone mansion was built in 1890 by a physician and businessman. Four generations of his family called it home before it became the first bed and breakfast in the state in 1980. David and Karen Wiseman have completely renovated the house since buying it in 1996. They ripped up carpet, rebuilt a 1928 gas boiler, and moved back inside a red oak stairway that had been used to create a separate residence on the second floor. Victorian antiques that the Wisemans have purchased in a half dozen states sit side-by-side with modern amenities such as VCRs and whirlpool tubs for two.

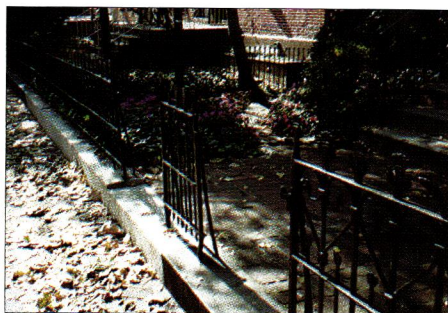


Three rooms, two suites, \$95 to \$145, Williams House, 420 Quapaw Avenue, Hot Springs National Park, AR 71901, (800) 756-4635, www.bbonline/ar/williams/house

trict (UCD), a neighborhood improvement group, and the University City Historical Society grabbed the ball as co-sponsors, and other neighborhood associations and businesses passed the hat for a total of more than \$8,000. They enlisted the Citizens Crime Commission, a group of retired law enforcement officers already running a hotline to help solve murders and assaults, to also accept tips on architectural thefts.

Tips received so far haven't resulted in an arrest, but with the exception of a UDC board member whose iron gates were stolen in October, "the theft has virtually dried up," said UCD executive director Paul Steinke. "We think it could be attributed to the considerable publicity we received. The thieves got the message that they could no longer operate with impunity."

Architectural theft is a growing problem in historic neighborhoods, especially those where a high proportion of houses are empty, either because they've been



Unlike some neighboring homes, this University City porch retains its finials (top). Owners of the iron fence (above) were less fortunate.



Photos this page by Allison Kelsey

Ornate cast-iron fences, as well as gates, are a favorite target of architectural thieves.

abandoned or are being renovated before new owners move in. Hot items in Philadelphia are decorative fences, grates, and other ironwork. Bricks and bootscrapes disappear. "One entire block had trouble getting to work one morning because all their brass doorknobs were gone," said Allison Kelsey, public information director for the UCD. "A woman in another neighborhood had half of the columns on her house removed."

The coalition sent photos of the stolen windows to salvage dealers and architectural fairs throughout the region, "but we were taking a stab in the dark," says Kelsey. "These things were mass produced, not singular treasures." Even if a stolen item is found, owners usually have to prove provenance: that the gate or window is actually theirs and not a lookalike.

University City is a trolley-car suburb of middle-management homes built primarily in the late 1800s, according to historical society president Kathy Dowdell. The nearby University of Pennsylvania offers incentives to employees buying or renovating in the area—including the people whose windows were stolen.

"Most thefts have been little things

Bold thieves stole

\$30,000

worth of stained and beveled glass windows—half in one night and the rest 24 hours later.

like window grates or finials on porch columns," says Dowdell, an architect. "Still, the accumulation over the years was very frustrating and annoying. But the window theft was so egregious. You know how it is with an old house. You see something like stained glass windows and think, 'Well, that will make peeling all the wallpaper worth it.' Then the windows are gone but you still have to deal with the wallpaper."

Ferrick would like to see other Philadelphia neighborhoods offer rewards to protect their architectural heritage, or law enforcement agencies adopt a comprehensive approach, such as identifying tags or code numbers. "I hope this idea doesn't end with University City," says the journalist. "We can at least add an element of risk to what these thieves are doing."

Architectural salvage dealers can also

continued on page 20



GUDE HEEVENING!

WE HAD SUCH A GOOD TIME putting together the last Historic Places article on Hollywood (Nov./Dec.2000) that we decided to share some of the fun. Guess which of these bungalows was the home of Bela Lugosi, the actor whose mesmerizing stare and Hungarian accent in the role of Count Dracula linked him for eternity with spook flicks.

vampire? Keep in mind that Lugosi earned less than \$1,000 for one of his best roles, in “The White Zombie,” and originally was offered a mere \$500 to play Igor in “The Son of Frankenstein.” At that point he was virtually bankrupt. We can only speculate about his home’s interior décor. We suspect, however, that it didn’t include any mirrors and that the scent of garlic never wafted from the kitchen. Answer below.

Think none of them look grand enough for the movieland

It's B (for Bela). Photo by Billy Vasquez

HISTORY ON YOUR WALLS

EVER WONDER IF someone could use that pretty old wallpaper rolled up in your attic or found under layers of mediocrity in your dining room?

Richard E. Thibaut, Inc., the Irvington, N.J.-based producer of historical wallpaper and fabrics, is again on the prowl for patterns to include in a new volume of *Historic Homes of America*. The books compile designs from the 18th to early 20th century found in vintage structures, from mansions to millhouses.

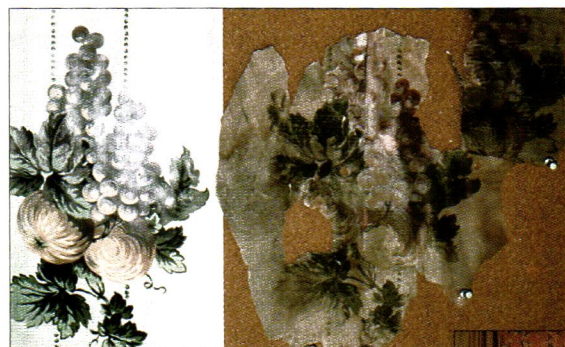
Historic Homes VII will include 75 to 80 fabric and paper patterns and borders, drawing on samples from private homes as well as museums and decorative-arts collections. If Thibaut includes your old wallpaper they’ll give you enough to paper a room. The sample doesn’t need to be in perfect

condition, but it should be big enough to show the entire pattern.

The National Preservation Institute (NPI), a Washington-based non-profit that provides courses on historic preservation, will authenticate the patterns. Lori Reagle, Thibaut’s art director, is in charge of making sure they are beautiful—and salable. She says the new papers, like earlier ones, will be silk-screened or roller-printed (up to a dozen colors in each pattern) from hand-drawn designs, and produced in modern hues as well as in the historically correct colors.

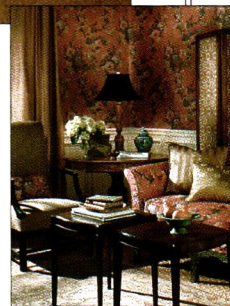
Volume VII will be published in spring 2002. Volumes V and VI are expected to remain available.

Leading the search for NPI are advi-



Samples can be in less than pristine condition (a previous entry above right) as long as they show the whole pattern. You may win enough new paper for a whole room, right.

sory board members James C. Massey and Shirley Maxwell, OHJ’s longtime architectural historians. If you think you have a worthy contender, mail your paper or fabric to them at Massey-Maxwell Associates, P. O. Box 263, Strasburg, VA 22657.



PILGRIMAGE TO ASHEVILLE

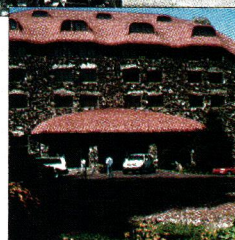
IF THE ARTS & CRAFTS AESTHETIC is your passion, the third weekend in February may be perpetually reserved on your calendar. That's the date of the annual Grove Park Inn Arts & Crafts Conference in Asheville, North Carolina, to be held this year Feb. 16 to 18.

Started as an antiques show in 1988, it's now the largest event in the nation focusing on this early 20th-century design movement. This year special exhibits will include ironwork by Samuel Yellin, photographs by Edward Curtis, Saturday Evening Girls' (Paul Revere) Pottery, and crafts from the Roycrofters-At-Large Association and Gustav Stickley's Craftsman Farms. Contemporary crafters will also display their wares.

More than 2,000 people from as far away as England flock to this Blue Ridge Mountain town to hear experts lecture on such subjects as kitchen design, architects of the period, and terra cotta, and to attend seminars that enrich special exhibits. Other



The Grove Park Inn, an Arts & Crafts showplace, is the conference site.



presenters this year will share their skills in demonstrations of pottery repair, paper-making and printing, furniture restoration, and tile making.

Much of the festival's success stems from its setting, the 1913 Grove Park Inn. Rooms in the inn were virtually booked up last February but you can still see the exhibits and attend the workshops. For more information call (828) 628-1915, or visit the conference web site at www.arts-craftsconference.com.

continued from page 18

help instill fear in scofflaws, says Mark Steinke, managing director of Salvage One in Chicago. (He's no relation to the UCD director.) His company makes a photocopy of the driver's license or other ID of anyone bringing them salvage, and pays only by check. Steinke doesn't do business with anyone "if I smell a rat—if they don't seem in a position to have something like that, or if they say, 'Oh, I just found it lying around in the back yard.'" He also has a prominently placed bulletin board with law enforcement alerts about stolen artifacts.

Steinke buys primarily from England, where architectural antiques are more carefully documented and he knows the dealers. Salvage One, in business for 20 years, is considered one of the premier salvage suppliers in the nation. "I want our customers to know that they have a rightful claim to what they buy," Steinke says. "It wouldn't do me any good to have it heard that I buy stolen merchandise." Because he grew up in this architectural mecca and knows its building ornaments intimately, "People would have to be really dumb to come to me with anything from Chicago."

There are plenty of less prestigious outlets for these treasures, of course. Some believe that stolen goods from eastern cities are heading west, where structural adornments are rare. But maybe not. Told that finials are one of the big draws for University City thieves, Steinke reacts with some surprise. "You know, I've been seeing a lot of Philadelphia-style finials around here. At flea markets."

RESTORERS' NOTEBOOK



When you need a plumb bob for a project and can't find one, here's a tip that will save you a trip to the hardware store and a couple bucks. It works just fine, although it helps to either

be a fisherman or have one in the house.

If you have a tackle box, look through it for a 6-ounce weight, shaped like a triangle with an eye on top. Tie a long piece of string in the eye, and there is your own inexpensive plumb bob.

*Frank Savage
Avenel, New Jersey*

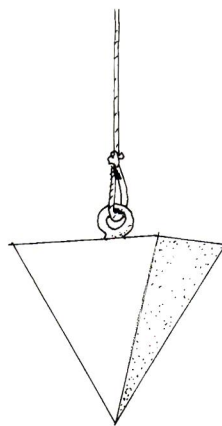


Illustration by Rob Leanna

Classic Revivals Inc.

presents

HAMILTON • WESTON WALLPAPERS

IMPORTED EXCLUSIVELY FROM ENGLAND
ROYAL CRESCENT c.1775 • CUSTOM COLOUR

ONE DESIGN CENTER PLACE, BOSTON, MASS 02210
TEL: 617 574 9030 FAX 617 574 9027

REGIONAL SHOWROOMS/AGENTS: ATLANTA • CHICAGO • CLEVELAND • DALLAS • DENVER • FT. LAUDERDALE
HONOLULU • HOUSTON • LAGUNA NIGUEL • LOS ANGELES • MINNEAPOLIS • NEW YORK
PHILADELPHIA • SAN FRANCISCO • SCOTTSDALE • SEATTLE • WASHINGTON, DC



Courtesy Bradbury & Bradbury

Frieze Frame *by Robert M. Kelly*

TO THE ANCIENT GREEKS, a frieze was part of a stone entablature, running between the architrave and cornice. As applied later to wallpaper, the term simply means a broad band of decoration at the top of a wall. Even so, there is nothing simple about the history of the wallpaper frieze.

Wallpaper friezes first became popular as part of the Neoclassical style of the late 18th century. (In fact, discoveries at Pompeii inspired early frieze patterns of reds and black over graceful arabesques). However, their real heyday as major players in the wallpaper ensemble came a century later, from about 1880 to 1920. Friezes could be used alone above a painted wall, or in a two- or three-part system of wallpaper decoration. They went through many changes during those decades and came in a variety of widths—usually 9", 18", and 36". What inspired this elaborate decorating scheme, and where did that three-part thing come from anyway? Let's look back a bit.

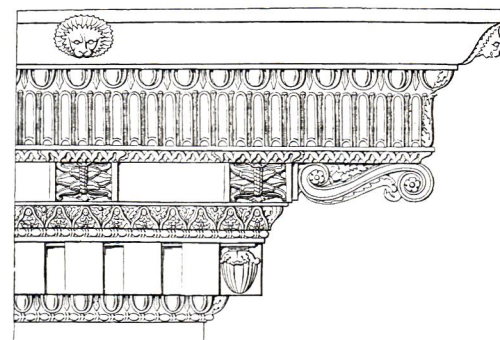
Border Skirmishes

FRIEZES ARE NOT A STYLE but a form: a panel of deep decoration at the top of a wall. Nonetheless, soon after they appeared, friezes were mustered into one of those

cyclical swings away from a previous generation's tastes—in this case, the wildly popular large French borders of the 1820s and '30s. Swagged, satined, and sophisticated, these borders were often paired with equally overpowering sidewalls. The rich color palette and sheer size of the patterns provoked one decorating authority to protest in 1841 that "...all wallpapers should be very light...large-figured papering makes a small room still smaller. It is now much out of use."

So out with the large, in with the small. Large patterns derived from fabrics dwindled away, and the unpatterned area on the wall increased, resulting in a "spaced out" look. White and gold parlor wallpapers topped with small borders were considered the height of elegance. We can see the style today in the parlor redecorations at Andrew Jackson's Hermitage (1837) and Martin Van Buren's Lindenwald (1841). In 1852, *Godey's Lady's Book* pronounced the experiment a success, observing that "Heavy borders are seldom used now; they make a room low, without being ornamental."

For a while, wallpaper remained a nearly frieze-free zone. Was it because the revival styles of the mid-19th century often sported vertical borders, strapwork, and paneling? Who knows, except that it wasn't



In classical architecture, the frieze is the central section of the entablature—the structure that lies horizontally across the columns. Depending upon the order, a frieze may be plain or highly decorated, as in the Temple of Dioscuri shown here.

Wallpaper friezes came into full flower during the Victorian era as the highest—and often most interesting—band in a three-part system of wall decoration. This Anglo-Japanese pattern is right in step with the oriental fad that swept the U.S. after the 1876 Centennial.

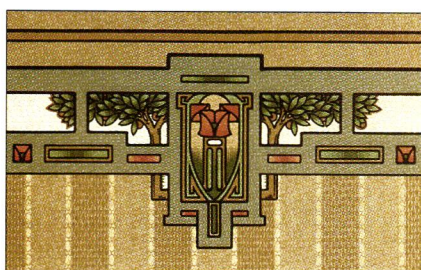


Courtesy Thibaut



Courtesy Bradbury & Bradbury

What separates a frieze (right) from a border (left)? By some standards, only its generous width, though friezes tend to have a distinct pattern and are, by definition, always horizontal and at the top of the wall.



Courtesy Bradbury & Bradbury



Courtesy Hermitage

Arts & Crafts friezes (top) are stand-alone papered or stenciled decorations. In the 1830s and '40s friezes became narrower like this pattern from the Hermitage. (above).

hard to predict that borders would bounce back in a big way. In the late 1860s, English tastemaker Charles Eastlake championed a more elaborate wall treatment—frieze, side-wall, and dado—as an alternative to what had become a rather large and boring expanse of wallpaper. In case anyone missed his point, another English writer described the trio “...as a reaction from the unspeakable dullness of the white and gold wall.” She even laid down rules for the system: At least one of the three should be patternless, and the whole wall should never be decorated in similar tones.

Very sensible rules, it would seem, but they were promptly broken by wallpaper consumers, aided and abetted by mass-market manufacturers. To understand why, remember that the market for custom-made “art” wallpaper (the finest example of the three-part system) was small in both North America and Britain. More to the point, perhaps, the mar-

ket for cheaper paper was much larger.

Nonetheless, mass marketers didn’t see the frieze/sidewall/dado combination as an opportunity to indulge in art for art’s sake. Far from it. For them it became a new wrinkle in the endless quest for novelty patterns. The high-minded reform movement, which pushed flat, conventional patterns at the expense of French naturalism, only primed the pump. It mattered little that the friezes consumers preferred looked a lot more like realistic flowers than Japanese prints.

Friezes at Their Height


It took a while for the three-part system to catch on in both upper-class and middle-class markets, but by the 1880s, when it was in full flower, a funny thing had happened. All the interesting patterns seem to have filtered upward into the friezes, which became ever more fanciful, while the sidewalls and dados grew ever tamer. For the first time, sidewalls began to resemble the popular stereotype of wallpaper: boring, small-patterned decoration that seeks to complement something else and recedes from view rather

than engaging our attention. As time went on the dado dropped from favor, leaving a two-part system of sidewall and frieze that endured for another 15 years or so.

The sidewall/frieze wallpaper scheme continued to be popular after 1900 because it was an economical way for middle-class families to emulate the Beaux-Arts homes of the wealthy, with their full-blown wall decorations based on classical models and materials. The frieze and sidewall were closely (but not exactly) matched, lending some eye-catching style to what was, after all, a cheap industrial product.

Then suddenly, everyone grew tired of any attempt at grandeur, but there was still a place for the frieze, especially the hand-stenciled variety that was the specialty of English firms, such as Shand Kydd. As a custom-made (or at least hand-made) decoration, the frieze could be colored to match furniture or carpets much

more easily than could a sidewall, which required machine production to be economical. In this way, the frieze held on as a stalwart part of the Arts & Crafts movement, showing up regularly alongside embroidered pillows and dyed linen tablecloths. Once again it was high art.

Unfortunately, wallpaper seems to require a mass market to survive, and reducing the frieze to a stand-alone, custom product spelled its end. As Elsie de Wolfe said in 1913, "A fine frieze is a very beautiful decoration, but it must be very fine to be worthwhile at all." Apparently consumers decided that the friezes on the market weren't that fine—or worth the asking price—because after 1925 we find very few examples of large friezes in use. 

ROBERT M. KELLY is the principal at WRN Associates in Lee, Mass. (www.paperhangings.com).

SUPPLIERS

BRADBURY & BRADBURY WALLPAPERS
P.O. Box 155
Benicia, CA 94510
(707) 746-1900
www.bradbury.com
Circle 12 on resource card.

J.R. BURROWS & CO.
P.O. Box 522
Rockland, MA 02115
(800) 540-5047
Circle 13 on resource card.

CARTER & CO.
451 Ryder St.
Vallejo, CA 94590
(707) 554-2682
Circle 14 on resource card.

CLASSIC REVIVALS INC.
One Design Center Place Ste. 534
Boston, MA 02210
(617) 574-9030
Circle 15 on resource card.

CHARLES RUPERT
2005 Oak Bay Ave.
Victoria, BC
Canada V8R 1E5
(250) 592-4916
www.charles-rupert.com
Circle 16 on resource card.

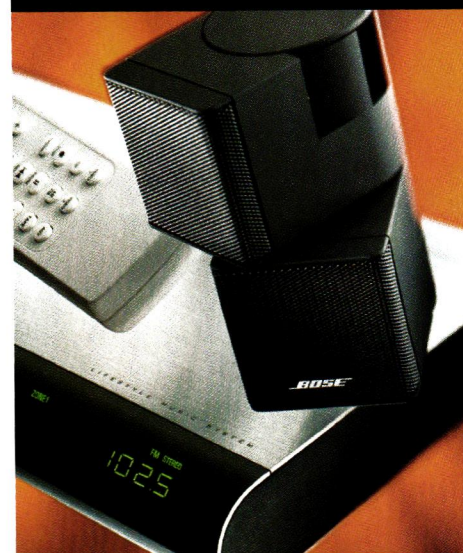
SANDERSON N.A.
979 Third Ave. Ste. 409
New York, NY 10022
(212) 319-7220
Circle 17 on resource card.

SCHUMACHER
79 Madison Ave.
New York, NY 10016
(800) 332-3384
Circle 18 on resource card.

THIBAUT WALLCOVERINGS
480 Frelinghuysen Ave.
Newark, NJ 07114
(800) 223-0704
Circle 19 on resource card.

VICTORIAN COLLECTIBLES, LTD.
845 E. Glenbrook Rd.
Milwaukee, WI 53217
(414) 352-6971
Circle 20 on resource card

DIGITAL WITH A DIFFERENCE™

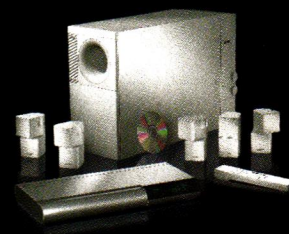


LIFESTYLE® HOME THEATER SYSTEMS

give you 5-channel surround sound from any source – 5.1 encoded DVDs, any VHS tape, even single-channel TV shows. And only Bose®, the most respected name in sound, has the technology to deliver this performance with small size, elegance and simplicity.

To learn which system is best for your needs, or to find a dealer near you, call

1-800-ASK-BOSE ext. X68



BOSE®
Better sound through research®

ask.bose.com/wx68

©2000 Bose Corporation JN10538

Circle No. 455

*With our direct
vent fireplace,
the possibilities
are endless.*

*H*eat-N-Glo is more than a fireplace. It's light you can feel. It's warmth. Color. Radiance. And now with our direct vent gas fireplace, you can bring the serenity of a cozy fire virtually anywhere. So turn your favorite room into a private sanctuary. A direct vent fireplace from Heat-N-Glo — you may never want to leave home again.



For *FREE* information
call today! 1-888-427-3973
or visit fireplaces.com

HEAT-N-GLO
No one builds a better fire

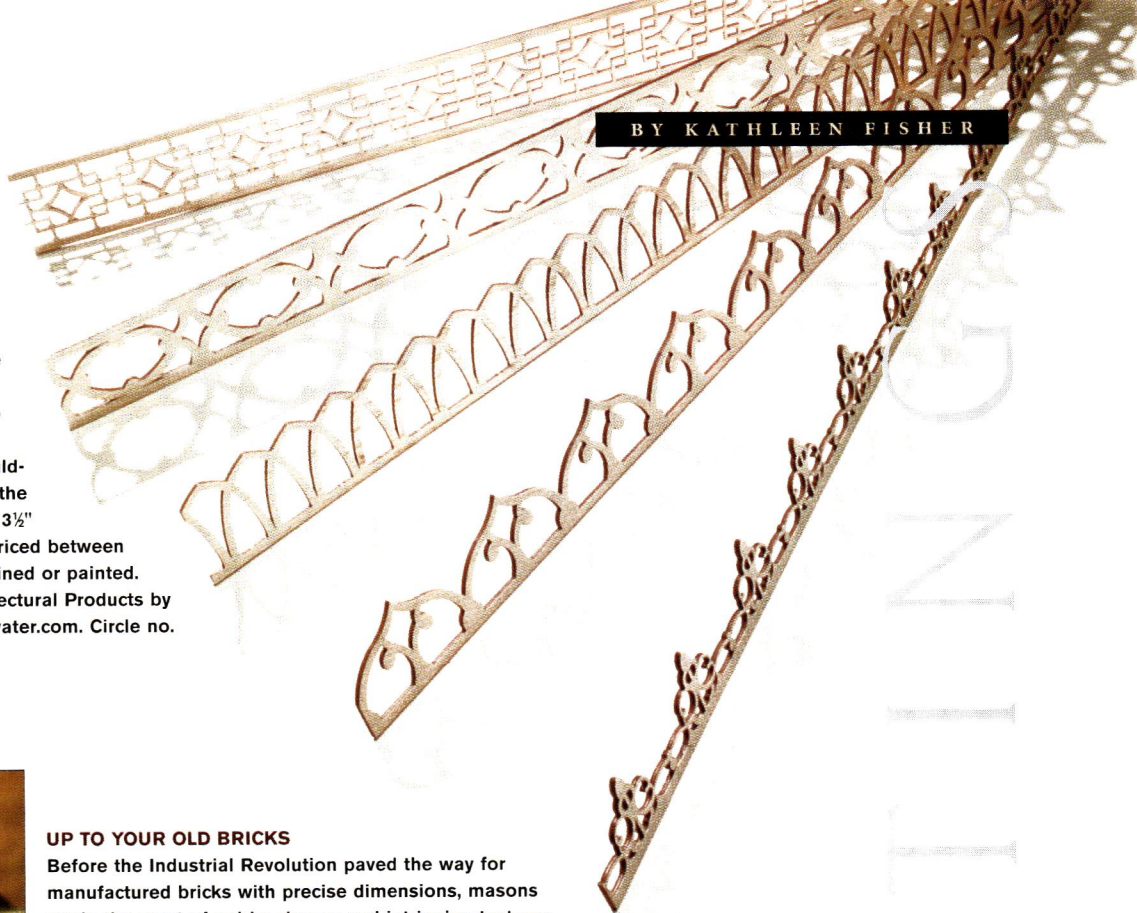
Circle no. 95

A division of Hearth Technologies, Inc.

BY KATHLEEN FISHER

WOODN'T IT BE LOVERLY?

Do your walls seem a bit...flat? Give them some new dimension. Rectangle, Ovals, Arches, Scallop, and Chip (from top) are among a dozen new patterns of carved wood accent mouldings. Laser cut from $\frac{1}{4}$ " balsa wood, the mouldings are approximately $2\frac{1}{2}$ " to $3\frac{1}{2}$ " wide in 45" to 48" lengths and are priced between \$10 and \$16. They can be either stained or painted. For more information contact Architectural Products by Outwater, (800) 835-4400, www.outwater.com. Circle no. 21 on the resource card.

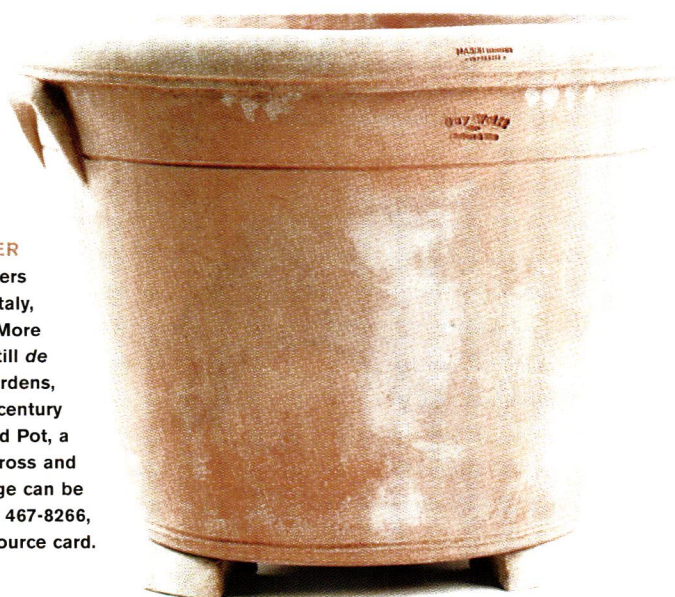


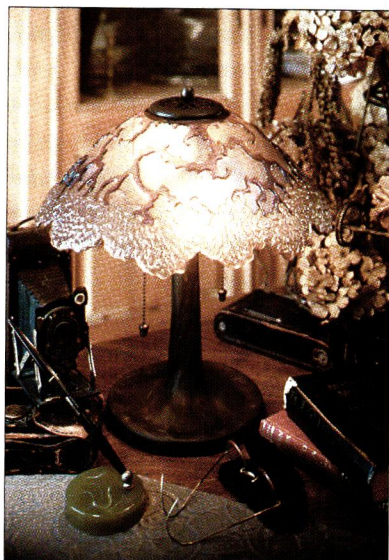
UP TO YOUR OLD BRICKS

Before the Industrial Revolution paved the way for manufactured bricks with precise dimensions, masons made the most of quirky shapes and intriguing textures. Boral Bricks' new 17th Century line is made the way they were 300 years ago, in handmade wooden molds dusted with sand. As a result the edges are softened while the texture is rough. You can use these decorative brick shapes outside around windows, doors, or steps, or indoors to shape distinctive mantels. The same process has been used to make rectangular bricks in 19 colors. Contact Boral Bricks, (770) 645-4500, www.boralbricks.com. Circle no. 22 on the resource card.

YANKEE PLANTER

In the late 19th century, American landscape designers began aping Renaissance landscapes of France and Italy, complete with their terra cotta urns and oil jars. More than 100 years later, well-made terra cotta is still *de rigueur* for formal gardens. At home in less formal gardens, and taking its inspiration not from Europe but 19th-century terra cotta pots found in New England, is the Hartford Pot, a new design by potter Guy Wolff. It measures $22\frac{1}{2}$ " across and 16" tall and sells for \$500. Wedges to improve drainage can be ordered separately. Contact Seibert & Rice, (973) 467-8266, www.seibert-rice.com. Circle no. 23 on the resource card.



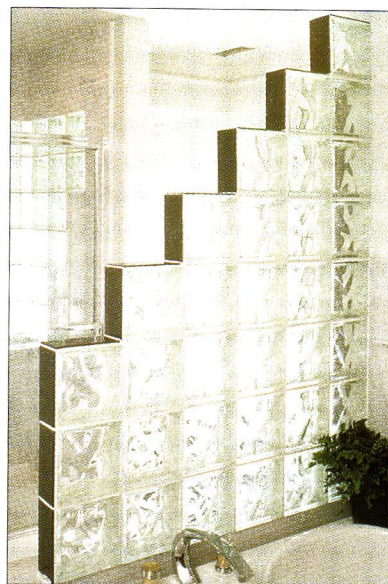


NEW NOUVEAU

An ambitious exhibit of Art Nouveau furniture and décor at the National Gallery of Art in Washington, D.C., has fired up collecting of this turn-of-the-century style. Just in time to help scratch that itch is a Classic Glass line of lamps in gold, silver, and bronze, inspired by Lalique jewelry and glass designs so "oo-la-la" in the Paris of that era. The shade is made of heat-fused, fine-textured iridescent art glass, while the base is solid bronze. Sold in 16" and 20" heights, the suggested retail prices are \$698 and \$890 respectively. Contact Mica Lamp Co., (818) 241-7227, www.micalamps.com. Circle no. 24 on the resource card.

GLASS WITH CLASS

Inspired by our article on glass block? You're in luck. Pittsburgh Corning has redesigned its Lightwise Glass Block to be lighter weight and easier to install. They're still real glass but only 2" thick and have a flat face for a tighter seal and easier cleaning. Silicon bonding creates an all-glass look. The windows come in white or sandstone vinyl frames, 60 sizes, and two patterns with differing degrees of privacy and light transmission. For more information call Pittsburgh Corning at (800) 624-2120, www.pittsburghcorning.com. Circle no. 25 on the resource card.



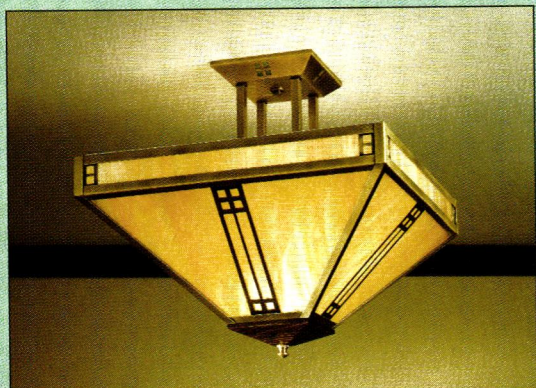
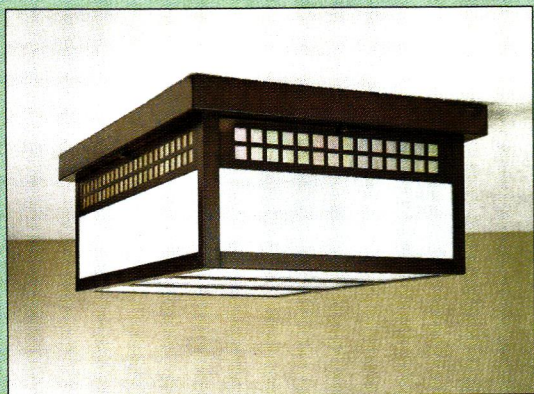
CUT TO THE CHAISE

Are you weary from a day of working on your mid-century Moderne house? Put your feet up in style. Inspired by Finnish architect and designer Alvar Aalto, this chaise marries his sleek '30s look to Shaker simplicity. Sculpted of cherry with mortise-and-tenon joinery, it reclines without any handles and has a removable headrest. An investment of \$2,450 will give you a piece of art masquerading as furniture. Contact Thos. Moser Cabinetmakers, (800) 708-9703, www.thosmoser.com. Circle no. 26 on the resource card.



A FAIR FAUCET

Fair in the sense, of course, of Victorian-era maidens. The kitchen bridge faucet set from Harrington Brass Works has a tall moveable spout for maneuvering around large pans or pitchers, a retractable spray, and hot and cold cross handles. You can order the ceramic hot and cold tabs in French lettering if you want to impress guests with your *savoir faire*. Kitchen and bath accessories in the Victorian collection come in 20 finishes, from antique brass to polished copper. The Perma Brass shown here retails for \$1,200 with a lifetime warranty on the finish. Contact Harrington Brass Works, (201) 818-1300, or email hbw@harringtonbrassworks.com. Circle no. 27 on the resource card.



UNCOMPROMISING QUALITY

arroyo
craftsman®

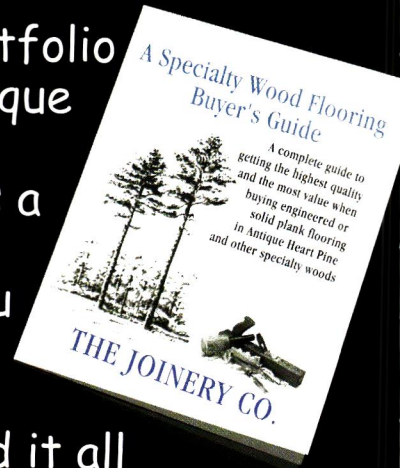
Circle no. 82

For catalog and showroom information, please call 888-227-7696

4509 Littlejohn St. Baldwin Park, CA 91706 Ph 626 - 960 - 9411 • Fax 626 - 960 - 9521

Our 64 page portfolio of beautiful antique & specialty wood flooring contains a 24 page Buyer's Guide to help you get the most for your money.

We'd like to send it all to you for free, but it's your call.



Antique Heart Pine

Legendary Antique Heart Pine is the most sought after wood in the world. It's a genuine, 200 year old antique reclaimed and recycled from the original Sears building in Old Chicago. Now it's a perfectly beautiful floor you can nail down, glue down or "float in" even directly over concrete. It's spectacular,



Aged Spruce

but, it's only the beginning of all the beautiful choices you have. Aged Spruce, Cherry, Walnut, Maple, Oak, Ash, Aged Beech and Wormwood are just a few of your options. Call us for your free 24 page Buyer's Guide and 64 page portfolio on all our affordable, wide plank, floors. We're saving one just for you.

Circle no. 97

Call 1-800-726-7463 anytime.

THE JOINERY CO.®

820 Fountain St., Tarboro, NC 27886

Cherry

Walnut



When Wood Goes Radiant *by Dan Holohan*

Thinking about warming the wood floors in your old house? You can retrofit a hydronic (hot water) radiant heating system beneath your floors and no one will know that it's there. You will notice the comfort, though, and that's really what radiant heat is all about. There's nothing nicer than a warm floor on a cold winter's day, but if it's made out of wood, rather than concrete or tile, you do have to take some precautions.

The first thing you'll need to do is find a competent heating contractor who has had experience with both radiant heating systems and old houses. Most of the time, the contractor will attach the tubing to the underside of your wood floors and between the joists. He'll have to drill a hole through the center of one end of the joists to get the tubing from joist bay to joist bay. It's like lacing a sneaker and, done properly, it will not affect the structural integrity of the house. The contractor will use a circulating pump to move the water through the system, and a mixing valve to blend some of the water that has already been through the floor into the hot water from the boiler. This application typically runs on relatively cool (150°F) water, and that's how they temper the water for your warm floors without affecting the performance of rest of the heating system. Here are some things you should know before you decide to install radiant heating.

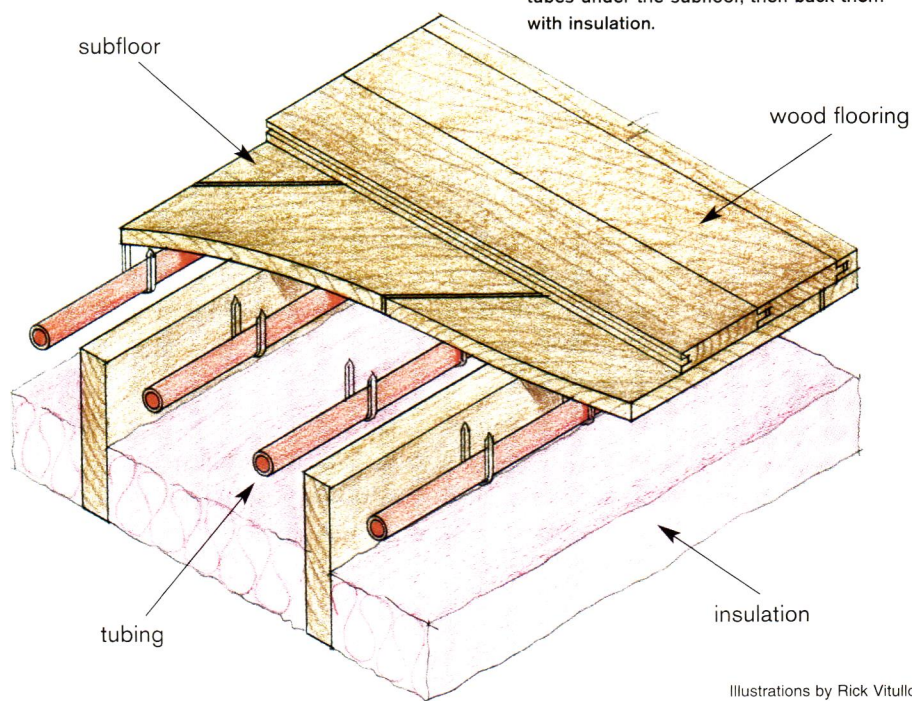
The wider the boards, the greater the chance for trouble—Radiant floor heating works best with flooring that's not wider

than 3". Wide boards can warp, and if your home has plank flooring you should consider another type of heating system.

The same goes for the thickness—Old houses often have more layers of flooring than an archeological dig. The thicker the floor, the harder it is for the heat to work its way through to the surface. An easy way to spot extra flooring is to take a close look at the base moulding. See if you can run a thin blade between the bottom of the moulding

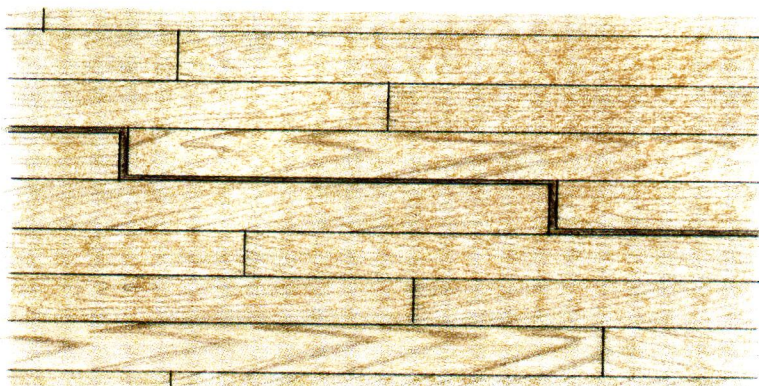
continued on page 32

Above: The lifeline of a radiant heating system is the special plastic tubing that conducts water and heat under the floor. **Below:** Installers use several methods to run radiant heating under wood floors. For existing floors they typically staple tubes under the subfloor, then back them with insulation.



Illustrations by Rick Vitullo

Tongue-and-groove strip flooring can “panelize” when the finish is so strong it glues groups of boards together. Then when the wood shrinks—during the heating season or dry weather, for example—the dimensional change shows up as one large fault line, rather than many small gaps between individual boards.



and the finished floor. If someone in the past added another layer of flooring, there's a good chance they didn't raise the base moulding. If this is the case, the bottom of the moulding will be lower than the finished floor and you won't be able to slide your blade in there.

Take care with old wiring—The tubes that are under your floor work by heating the air space in the joist bay. If there's also old wiring in that joist bay there's a good chance that the new heating system might bring the temperature within the air space to an unsafe level, which can cause a fire. This isn't a concern with modern wiring, but you need to take great care with old wiring. Move it below the insulation, or replace it.

Control the humidity—Ideally, the relative humidity in a radiantly heated home that has wood floors shouldn't be more than 50 percent. “Without this constant humidity, you must live with the cracks in the wood,” according to the experts at the National Oak Flooring Manufacturers Association. But in an older home, there's a good chance that the wood is already cracked (meaning, it has character!), so this may not be a concern.

Give concrete a chance to dry—If you're having new wood installed over new concrete or lightweight concrete, allow enough time for the concrete to dry before installing the wood. If you're in too much of a hurry, the moisture will leave the concrete and enter the wood. A simple way to determine when the time is right is to tape a square of clear, plastic sheeting over the concrete floor and watch it carefully for condensation. Don't let the carpenters install the wood

flooring until the plastic proves there's no moisture left in the concrete.


Beware of construction paper that contains tar or horsehair—These materials may already be present under your old-house floor as wind barriers. When you heat them, they can release lingering odors. Drill a hole up through the floor in an out-of-the-way place and check for tarpaper or horsehair.

Never make a wood floor hotter than 85°F at its surface—Even if you're planning on having rugs, it's not good for the wood. Heating contractors have setpoint controls that can monitor the wood's surface temperature. They often use these in place of air-temperature thermostats in homes with wood floors.

Summertime means more humidity—After that first summer, when the radiant system kicks in, newly installed finish wood just might develop small fissures. That's normal, and it's really not the fault of the heating system. Wood comes from living cells that expand and contract with moisture content (or lack of it). Some cracking is inevitable if the humidity is too high.

Mind the gap—If you put a urethane finish on your nonlaminated hardwood floor the floor is liable to develop gaps. The urethane is so strong it actually “glues” the individual boards together and, as the wood expands and shrinks, the contraction can localize itself and wind up as a gap. This is so common with hardwood floors (whether or not they're heated radiantly) that the hardwood flooring industry even has a name for the phenomenon: panelization.

Learn more about wood—The wood-

floor associations have informative brochures that they'll send you for free, or you can visit their websites. 

DAN HOLOHAN (*e-mail at mailroom@J/F 01 OHJ*) is the author of 14 books on the joys of steam- and hot-water heating. Dan also operates *HeatingHelp.com*, a place to find answers to just about any heating question.

SUPPLIERS

RADIANTEC
Box 111
Lyndonville, VT 05851
(800) 451-7593
Radiant heating systems
Circle number 1 on the reader service card.

STADLER-VIEGA
3 Alfred Circle
Bedford, MA 01730
(781) 275-3122
Radiant heating systems
Circle number 2 on the reader service card.

HEATWAY
3131 W. Chestnut Expy.
Springfield, MO 65802
(800) 255-1996
www.heatway.com
Radiant heating systems
Circle number 3 on the reader service card

WIRSBO COMPANY
5925 148th St. West
Apple Valley, MN 55124
(612) 891-2000
Radiant heating systems
Circle number 4 on the reader service card

**NATIONAL OAK FLOORING
MANUFACTURERS' ASSOCIATION, INC.**
PO Box 3009
Memphis, TN 38173-0009
(901) 526-5016
www.nofma.org
Wood flooring information
Circle number 5 on the reader service card

THE HARDWOOD COUNCIL
PO Box 525
Oakmont, PA 15139
(412) 281-4980
www.hardwoodcouncil.com
Wood flooring information
Circle number 6 on the reader service card

Finally, a Vacuum that Doesn't Hurt your Ears



NEW!

The new, affordable Mini-Turbo portable vacuum from FEIN.

Listen carefully. You can hardly hear FEIN's brand-new wet/dry vac. At 63 decibels, the Mini-Turbo is one of the quietest vacuums on the market, yet weighing less than 18 pounds, it's surprisingly portable. And this compact package, with its dual fan motor, produces an impressive 90 inches of static water lift. It is remarkably powerful for its size.

The FEIN Mini-Turbo comes with a complete compliment of attachments. For more information and the name of a local dealer, visit us on the web at www.feinus.com or call **1-800 441-9878**.

Fein Power Tools, Inc.
1030 Alcon Street Pittsburgh, PA 15220

Finishing is just the beginning.



All accessories shown are included.

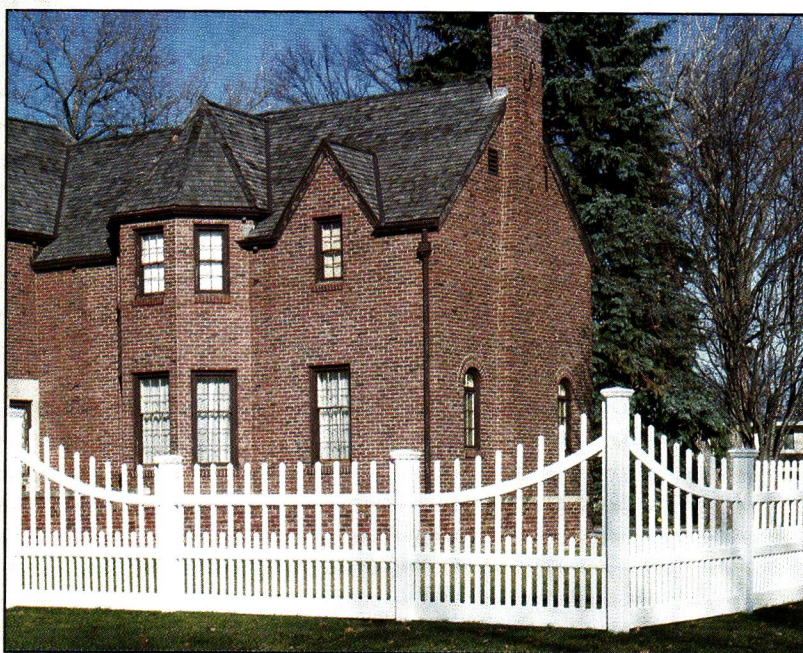
Circle no. 151



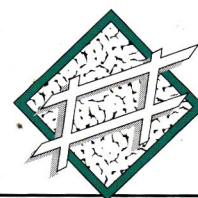
Fein Mini-Turbo Vac

Traditional Style Without Traditional Maintenance

Vinyl Picket, Ornamental & Classic Manor™ Fence • Deck & Handrail • Pergolas • Gazebos



Whether your architectural style is Victorian, Queen Ann, Cape Cod or Colonial, licensed Kroy fabricators can manufacture a custom vinyl fence, porch, gazebo or pergola to compliment your buildings.



Kroy

Building Products, Inc.

(800)933-KROY

P.O. Box 636
York, Nebraska 68467
Fax: (888)BUY-KROY
www.kroybp.com

*Guaranteed Lowest Prices
for hard-to-find antique replicas!*



Clawfoot Tubs



Doorstops



Lamps & Shades



Cabin Latches



Hand-Held Showers



Plant Stands



Specialty Prints & Indians



Mailboxes



Hardware



Tricycles



Birdcages



Hooks



Weathervanes



Faucets

Tables



Toilets



Doll Carriages



Horses



Chairs



Artwork



Mechanical Coin Banks

Mirrors



Address Plaques



Tin Ceilings



Kitchen Appliances

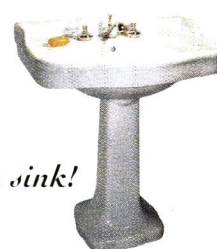


Doorknockers



Library Steps

Titanic Memorabilia



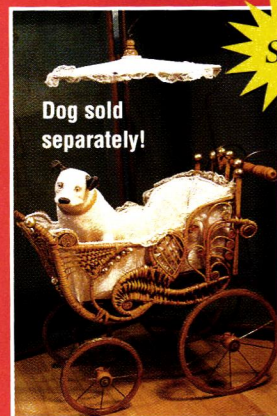
We carry everything for your home ~~except~~ ^{including} the bathroom sink!



Hand-Held Shower

Solid Brass or
Chrome over Brass
2JN . . . only \$389!

Full Shower Ring Assembly
2A . . . only \$429!



*Wicker Doll Carriage
with Parasol*

Two sizes with same
beautiful detail!

43" H x 29" L x 16-1/2" W
W500only \$169!
35" H x 26" L x 15-1/4" W
D164Bonly \$79!

ANTIQUE & HOME
hardware & store

MAIL TO:
Antique Hardware & Home Store
19 Buckingham Plantation Drive
Bluffton, SC 29910

OR CALL: **1-800-422-9982**
ask for catalog #6520

Wholesale inquiries invited.
Call 843-837-9796.

☐ **Yes! I'd like a FREE CATALOG**
for a complete product listing.

Name _____

Address _____

City _____

State _____ Zip _____

Visit our website at www.antiquehardware.com



Adds a certain warmth, don't you think?

Nothing is more important to a period renovation than the perfect mantel. Our extensive line of fine cast stone fireplace mantels features classic old world designs.

Call or write for our free 28 page color catalog.

Circle no. 486

*Old World
Stoneworks™*

5400 Miller • Dallas, TX 75206 • 800.600.8336
www.oldworldstoneworks.com • E-mail: info@oldworldstoneworks.com

OLDHOUSE JOURNAL



"Glass block construction, which served both window and wall functions in a single stroke, was enthusiastically embraced by cutting-edge architects of the 1930s."

—page 46



January/February 2001

"Dealers point to richer patina and more character in old wood. You can buy remilled planks as smooth as silk or riddled with evidence of nails, worms, and ancient saw blades."

—page 38



"Besides the normal wear and tear of living, lath-and-plaster ceilings are at the mercy of gravity, and can take only so many leaks and structural movements before they pull away from the framing."

—page 52



What could be more at home in an old house than these reclaimed planks of chestnut—a tree that's extinct as a source of new lumber? Huge old-growth timbers (opposite) were sometimes split with dynamite because there were no saws big enough to cut them.

Old and Under Foot

A Buyer's Guide to Rescued Wood Flooring

By Kathleen Fisher

ANTIQUE WOOD HAS LONG BEEN the choice of restorationists in repairing floors or building additions. Now reclaimed or recovered lumber has growing environmental cachet. Outlets of rescued timber—retail and wholesale—have mushroomed: One dealer estimates that they've increased 10-fold in the past 15 years.

With so many newcomers of various backgrounds hawking these wares, flooring shoppers can run into high adventure sorting through all the glistening samples while avoiding potential minefields—or at least a hidden nail or two.

There are two primary sources for salvaged wood. Lumber is *reclaimed* from previous uses, sometimes from barns but more productively from huge abandoned structures such as old mills, water towers, and factories. Logs are *recovered* from lakes or rivers by divers. These are most often “sinkers”: timber logged 70 to 200 years ago and lost on its way to a mill, or forgotten for decades in a holding pond. In other cases, scuba



Photo Courtesy Goodwin Heart Pine Co. 1870

Photo Courtesy Chestnut Specialists Inc.



1929

“The [Suwanee River] region is a succession of swamps and uplands, and the best pine is always found surrounding the swamps.”

—American Lumberman, 1929

divers use underwater saws to cut down trees still standing in areas inundated by the construction of dams or hydroelectric plants.

Either process is labor intensive. Reclaimers dismantle buildings one piece at a time, haul timbers long distances, then use a metal detector to find hidden nails before prying them out. In rivers and ponds, recoverers assess wood age and quality with flashlights. Then they haul the logs to a dedicated boat ramp for removal. In lakes, sonar allows them to find sinkers more than 100 feet deep. State lawmakers keep a close eye on water loggers to prevent harm to aquatic or bank environments.

All this effort doesn't come cheap. Antique flooring prices are two to three times—or more—that of new wood.

What You Pay For

YET THE SELLING POINTS are many. Dealers point to richer patina and more character in old wood. You can buy remilled planks as smooth as silk or riddled with evidence of nails, worms, and ancient saw blades. What you can't see is its greater durability.

In Colonial America's virgin forest, trees were packed tightly together, competing for soil nutrients and sunlight. The harsh conditions meant they grew slowly and, as a result, produced more dense

heartwood. Antique woods can have more than 30 growth rings per inch, compared to four to seven in a new-growth tree, so they stand up better to foot traffic, water, insects, and even fire.

Some are skeptical about quality differences between old- and new-growth heart pine, the most commonly sold antique wood. But even they cheer the recovery of American chestnut wood, virtually non-existent since a blight wiped out the species early in this century. “Old birch is a color you can't get any more” because there is so much of the reddish heart in these huge timbers, says Charles Rayner. He's sales manager for Timeless Timber in Ashland, Wisconsin, which also recovers sinkers of maple, oak, and hemlock.

In the West, Douglas fir and redwood are the most

often rescued. “The redwood trees we're harvesting today are getting smaller and smaller,” says Bob Legg, president of the Temperate Forest Foundation in Beaverton, Oregon. “Yet people need big timbers for some of its popular uses, like decks.”

Do you need your floorboards long and wide? It's not at all unusual for support beams in an old mill or factory to be 18" thick and 20' long.

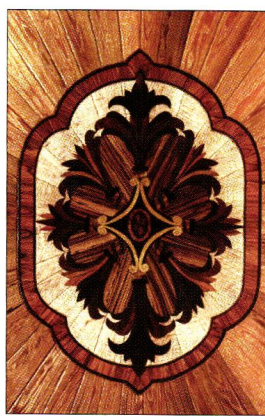
Logs recovered as sinkers are generally from tall, branchless trunks, meaning they can produce long boards with few or no knots. And the greater density of old wood allows the milling of wide planks with more stability, fans say.

Then there's the panache of having an interesting tale to tell. We all love to tell friends how we snagged our vintage chandelier at a garage sale or salvaged a stained glass window from a demolished church. Why not some yarns about what's underfoot?

Floor Stories

MOUNTAIN LUMBER in Ruckersville, Virginia, gives homeowners who purchase reclaimed flooring a written and illustrated history about its source. “We were doing so much research on these places ourselves, we decided the buyers should be enjoying the stories too,” says owner Willie Drake. Drake has recovered wood from as far away as St. Petersburg in Russia, where Russian oak intended for use in Trans-Siberian Railway cars was stacked in a warehouse for some 80 years. Some customers make their choice based on these histories. A retired Naval officer ordered Tidewater pine reclaimed from the 85-year-old Naval Yard pier outside Washington, D.C. Baseball fans get excited about the heart pine from Baltimore's Camden Yards, now home to the Orioles.

Finally, investing in antique flooring makes many feel more environmentally responsible. Although wood is a renewable resource, rescued wood “represents an impor-



Photos Courtesy Goodwin Heart Pine.

The outside boards are river-worn ends of heart pine logs.



Courtesy Goodwin Heart Pine

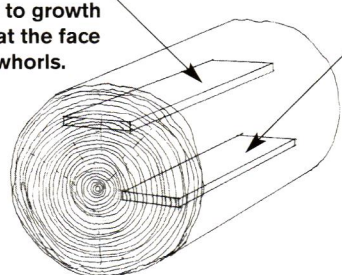
Divers can recognize some old timbers by their ax-cut ends (left). These timbers (below) came from the Brookside Mill in Knoxville, Tenn., built in 1885.

RECOVERED or RECLAIMED

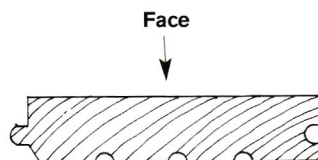


Courtesy Mountain Lumber

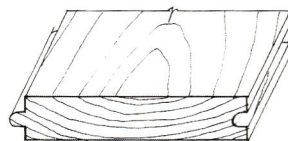
Flat-sawn boards (also called plain-sawn) are cut parallel to growth rings so that the face shows whorls.



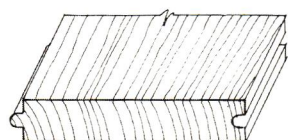
Quarter-sawn boards (also called edge-sawn) are cut perpendicular to growth rings so that grain runs vertically along the face. They wear more evenly with less cupping, shrinking, or swelling.



A tongue cut slightly below the middle of a floorboard allows more sandings.



Flat-sawn



Quarter-sawn

SUPPLIERS:

AGED WOODS, INC.
York, PA
(800) 233-9307
www.agedwoods.com
Circle no. 36 on the resource card

ALBANY WOODWORKS
P.O. Box 729
Albany, LA 70711
(225) 567-1155
www.albanywoodworks.com
Circle no. 37 on the resource card

CARLISLE RESTORATION LUMBER
1676 Route 9
Stoddard, NH 03464
(800) 595-9663
www.wideplankflooring.com
Circle no. 38 on the resource card

CHESTNUT SPECIALISTS INC.
400 Harwinton Ave.
Plymouth, CT 06782
(860) 283-4209
www.chestnutspec.com
Circle no. 39 on the resource card

CHESTNUT WOODWORKING AND ANTIQUE FLOORING
West Cornwall, CT
(860) 672-4300
www.chestnutwoodworking.com
Circle no. 40 on the resource card

CONKLINS AUTHENTIC ANTIQUE BARNWOOD
Route 1, Box 70
Susquehanna, PA 18847
(570) 465-3832
www.conklinsbarnwood.com
Circle no. 41 on the resource card

COUNTRY ROADS ASSOCIATES, LTD.
Millbrook, NY
(914) 677-6532
www.countryroadassociates.com
Circle no. 42 on the resource card

GOODWIN HEART PINE CO.
106 SW 109 Place
Micanopy, FL 32667
(800) 336-3118
www.heartpine.com
Circle no. 43 on the resource card

HARVEY MILLWORK, INC.
Bozman., MD
410-822-7689
www.harveymillwork.com
Circle no. 44 on the resource card

LONGLEAF LUMBER
70 Webster Ave.
Sommerville, MA 02143
(617) 625-3659
www.longleaflumber.com
Circle no. 45 on the resource card

MOUNTAIN LUMBER CO.
P.O. Box 289
Ruckersville, VA 22968
(800) 445-2671
www.mountainlumber.com
Circle no. 46 on the resource card

PINETREE BUILDERS
814 SE 23rd St.
Fort Lauderdale, FL 33316
(800) 383-5598
www.pinetreebuilders.com
Circle no. 47 on the resource card

PIONEER MILLWORKS
1755 Pioneer Road
Shortsville, NY 14548
(800) 951-9663
www.pioneermillworks.com
Circle no. 48 on the resource card

J.L. POWELL & CO.
723 Pine Log Rd.
Whiteville, NC 28472
(800) 227-2007
www.plankfloors.com
Circle no. 49 on the resource card

THE JOINERY CO.
820 Fountain St.
Tarboro, NC 27886
(800) 726-7463
Circle no. 50 on the resource card

SYLVAN BRANDT
651 E. Main St.
Lititz, PA 17543
(717) 626-4520
www.sylvanbrandt.com
Circle no. 51 on the resource card

TIMELESS TIMBER
Ashland, WI
(888)-653-5647
www.timelesstimber.com
Circle no. 52 on the resource card

The heart pine (near) has only a few knots while "naily" pine (center) shows evidence of its previous life. The chestnut (far right) is textured with worm holes and tracks.

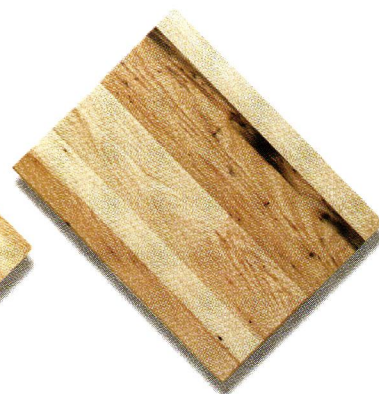
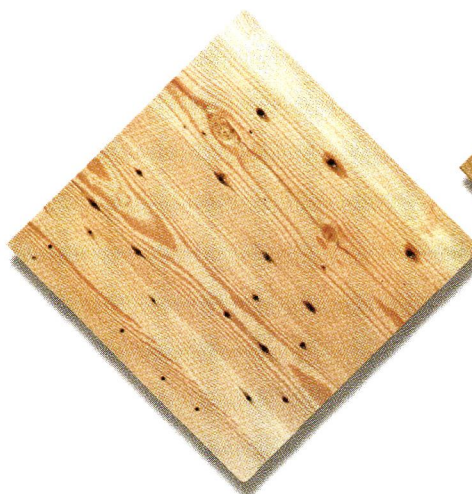


Photo Courtesy Goodwin Heart Pine 1910

The bald cypress can live to be more than 1,000 years old. The trees were girdled before felling so they would dry out and float.

Recovered vs Reclaimed?

Sellers of water-recovered wood say it's superior to reclaimed wood on a couple of counts.

An absence of oxygen makes the underwater environment like a time capsule for recovered logs, whereas reclaimed wood has been buffeted by hammers and nails, heat and humidity. Underwater, substances in wood that would ordinarily crystallize over time are instead eaten by bacteria. Timeless Timber in Ashland, Wisconsin, says this makes its woods ideal for musical instruments because the open cells improve acoustics, while Carol Goodwin of Goodwin Heart Pine in Micanopy, Florida, says it gives the heart pine a more translucent look.

But many buyers want a distressed look, says Goodwin, whose company also sells some reclaimed woods. "I've had people leave wood outside with chains on it or take golf cleats to it." Reclaimed wood is more apt to come with such evidence of age, and sellers say the stress of humidity and temperature fluctuation over the years increases the wood's stability rather than lessening it.

tant sustainability ethic," says Legg. "If we can extend the useful life of wood, we can stretch our resources."

Not everyone agrees, however. James Murray Howard, curator and architect for Thomas Jefferson-designed buildings at the University of Virginia, says he has no choice except antique wood for making historically appropriate repairs. "But I'm pained by the process. You're losing the building you're taking the wood from. I don't say we have to save every old building, but you need to make sure you're robbing [the wood] for a good cause." Reclaimers counter that they're taking wood that would otherwise end up in a landfill, often removing buildings that have become dangerous.

Avoiding Surprises

IF ANTIQUE WOOD APPEALS to you and you can give this slice of history "a good home," as one seller puts it, do some homework before sending in that order.

There is no uniform grading system for antique wood as there is for newly milled flooring. Various dealers

have their own fanciful terms for different grades that may or may not be illuminating.

"Naily" tells its own story, but how many wormholes can you expect to find in "Legacy" versus "Cabin" or "Country"? What appear to be bargains at first glance may involve your paying extra to have nails removed, making your installer fill large knot holes, or wasting a high proportion of your purchase.

What should you look for? **Proper drying.** Most antique wood sellers dry their wood in kilns. Done too quickly this might reduce resin content and damage the wood's cellular structure.

"You can't rush through the process," says Pattie Boden, sales manager at Mountain Lumber. "Every piece of wood is a different animal depending on where it came from. The roof may have been off and it may have been water damaged." In large timbers, the outside can be 15 percent drier than the inside.

Carol Goodwin of Goodwin Heart Pine in Micanopy, Florida, says their river-recovered pine has a



"Granery Oak" (far left) gets its character from original saw marks, while "American Oak" (near) from reclaimed barns, is relatively smooth.

Samples Courtesy Mountain Lumber; Photos by David Sharpe


moisture content about half that of newly cut wood. Nevertheless, they air dry it for two to three months before kiln-drying it for five days. Advocates of kiln drying shoot for a moisture content of slightly less than 10 percent. **Clearly specified content.** If you want 100 percent antique heart pine flooring, make sure that this is what you're getting. Any sapwood will stay yellow instead of turning the heart's signature pinky orange. Some dealers mix pieces of new wood with the old.

Wood cut to expectations. Quarter- (or edge-) sawn flooring will have all-vertical grain, while plain or flat-sawn will have whorls and flame shapes. Those shapes may be what you want. A rare heart pine form called "curly" is full of burls and squiggles. But some connoisseurs, like the UVA's Howard, feel that with heart pine in particular, only quarter sawing will play up the tighter texture of the antique wood.

Appropriate dimensions. Plank flooring $\frac{3}{4}$ " thick is fairly standard, although $\frac{1}{2}$ " is sometimes sold for glue-down installation. Dealers often offer random widths in ranges, say 3" to 5", 3" to 7", and 6" to 10",

and in random lengths of $1\frac{1}{2}'$ to 12'. Others offer same-width boards, such as $2\frac{1}{2}"$, $3\frac{1}{4}"$, $5\frac{1}{4}"$, 7", and 9". Because so many of these dealers do their own milling, they can accommodate special orders including boards a foot wide or 16' long, or unusual widths or thicknesses.

Several samples. Many dealers have well-illustrated web sites, which is a fun way to begin exploring. Many will send you a photo. But cameras can lie, so ask to see some samples of the actual flooring. "And not one little piece," says Boden, "but at least three of nice sizes."

Guarantees. A reputable dealer will not only certify that the wood is really old, but indicate a maximum amount of waste (5 percent should be adequate unless you have a diagonal or other unusual pattern) and agree to take the flooring back, even if you just don't like the color. And you may want to know the source of reclaimed lumber for reasons other than gleaning a colorful anecdote. Drake researches the buildings' histories to make sure they weren't the site of chemical-intensive industries such as tanning. "I wouldn't feel comfortable with that for my workers or my customers." 



Courtesy Goodwin Heart Pine


Heart pine is sought after both for its hardness and the characteristic reddish hue it develops a few months after installation.

Shaping Up, Not Shipping Out

If building "green" appeals to you and you don't need to match an unusual old floor, the U.S. Forest Service project at its Southern Research Station at Virginia Tech in Blacksburg should be worth investigating.

Phil Araman, a research project leader there, is promoting the recycling of old shipping pallets for flooring, paneling, and counter tops. The flooring is mostly red or white oak, while the other uses include walnut and cherry.

Pallet manufacturers are encouraging the repair of old pallets, but as recently as 1995 surveys showed that only three in 10 pallets were reclaimed from old ones. "That meant a lot of nice wood was being buried or ground up," says Araman. In the mid '90s a not-for-profit organization was established in the Bronx, New York, to train inner city youth to make flooring and furniture from pallets, but the enterprise is no longer operating. For more information call Phil Araman at (540) 231-5341, or email paraman@vt.edu.



As in the beamed ceiling of Southern California's Lanterman House, a few planks of pine or spruce can present ripe opportunities for interior embellishment.

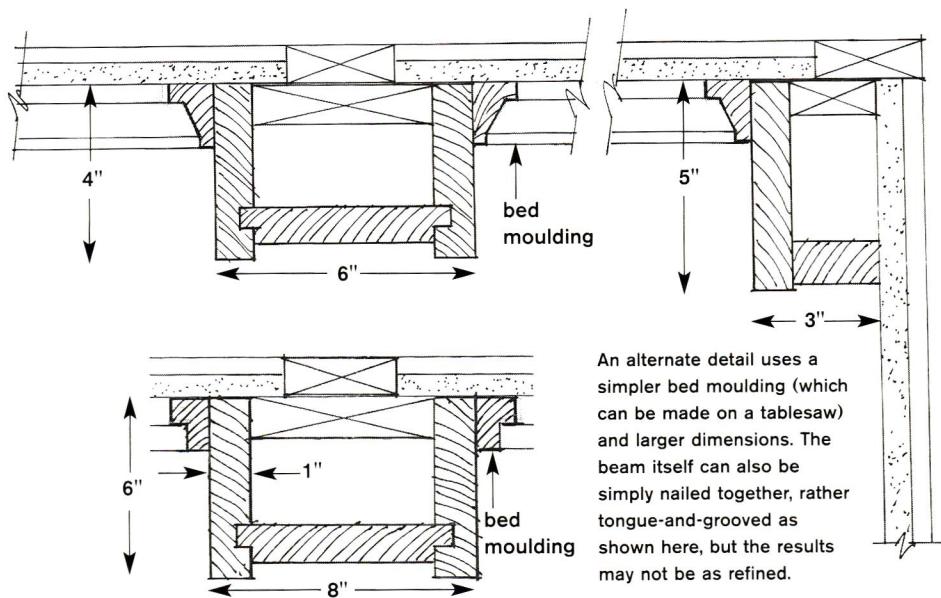
Box Beam Basics

Details for
Recreating
Decorative
Ceiling
Framing

By Gordon Bock

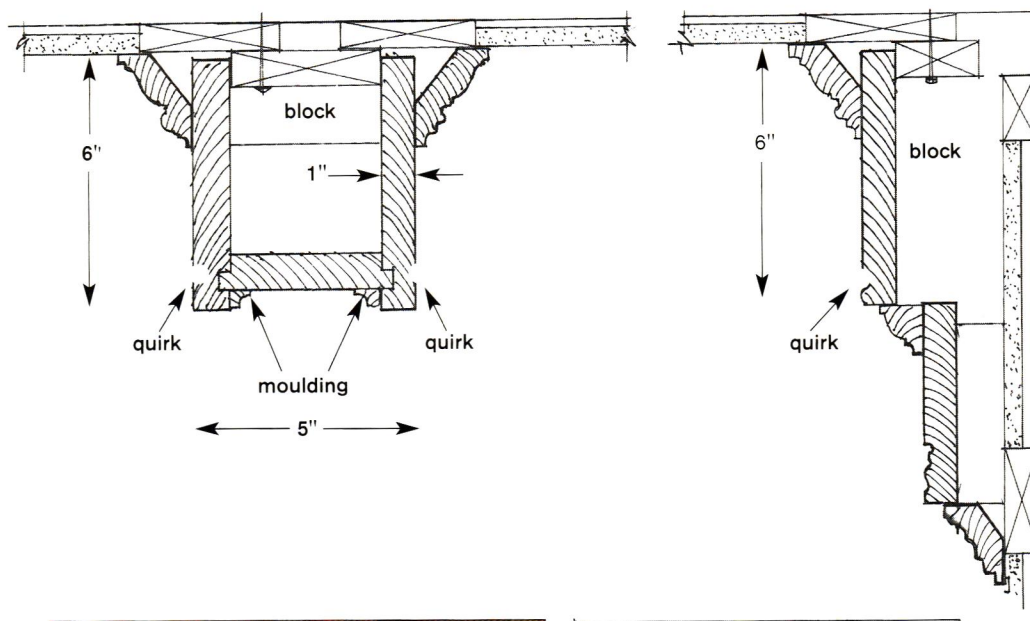
BUILT-UP OR "FALSE" BEAMS are once-common ceiling features that contribute a rich matrix of woodwork overhead in dining areas, libraries, and similar first-floor rooms. One of the few interior details equally popular in both the Victorian and Arts & Crafts eras, they appeared in many styles of houses from the 1880s to the 1920s. Though often lost over the decades to callous cover-ups or wholesale removal, these beams are readily recreated with trim lumber, good carpentry skills, and some accurate construction details.

The latter is really the point. Rather than being solid timbers or anything close to structural, these beams are shells of thin boards—boxes, if you will—tongue-and-grooved together, then anchored to the floor joists that are the true building skeleton. Multiple ersatz beams usually intersected at right angles for a coffered ceiling effect, then terminated at a cornice or band that lined the perimeter of the room. While box beams could be ordered prefabricated from millworks catalogs, they were just as easily crafted on-site from plans. The two presented here are historically accurate and typical. 🏠



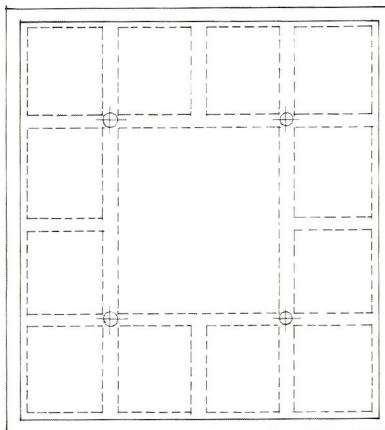
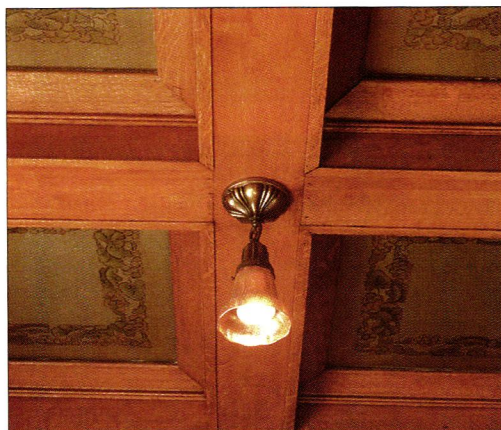
ARTS & CRAFTS STYLE

This beam plan from 1912 is the kind common in bungalows, Prairie style houses, and generally any interior with flat, unmoulded trim-work. Note that the beam itself has no mouldings, and its counterpart on the wall is just a half-beam. Beams are attached to blocking, which is fastened to grounds or joists in the ceiling.



COLONIAL REVIVAL STYLE

Appropriate for a late Victorian or Colonial Revival house, this 1903 plan uses a prominent beam that is clearly decorated. There are small bed mouldings on the face of the beam, quirked beads on its sides, and crown mouldings where it meets the ceiling. The half-beam on the wall may extend to make a cornice of wood or plaster that runs the perimeter of the room.



The layout of box beam ceilings can be quite complex in large rooms, or English Revival houses that mix beams of different dimensions, but the plan at left is common for both Arts & Crafts and Colonial Revival installations. Electric lights were a regular feature at major intersections, especially in dining rooms. Typical fixtures are single husks without shades or small pendants as shown here.

Photos by Doug Keister; illustrations by Robert Leanna

Clear enough
for a window,
strong enough
for a wall ...

The Architecture of Glass Block

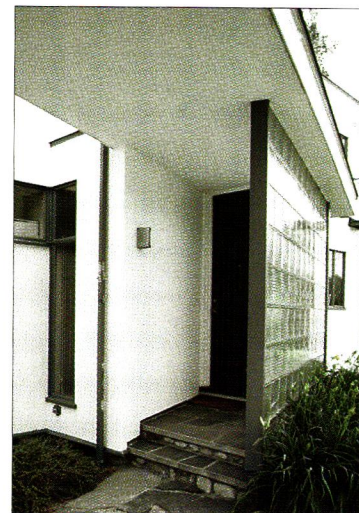
By Elizabeth A. Patterson and Neal A. Vogel

Bursting onto the American architectural scene in the early years of the Great Depression, glass block swept the continent over the next decade, promising infinite design possibilities in a totally new building material. Impact-resistant yet translucent, the blocks could be factory-molded into any shape or pattern desired, then laid up as quickly as bricks during construction. While glass block was first promoted for industrial and commercial use, residential architects recognized its ability to transmit abundant natural light while preserving privacy — a perfect fit with the modern house of the 1930s.

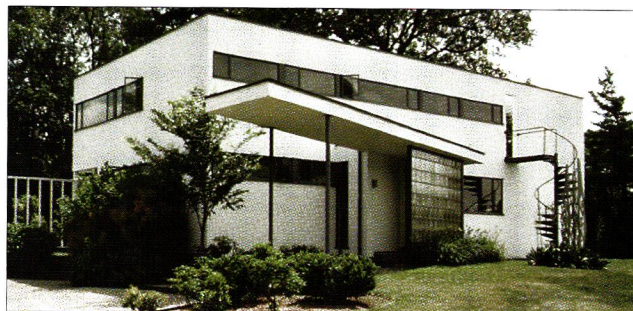
Block at Its Beginning

AMERICANS GOT THEIR FIRST LOOK at structural glass-wall construction in 1893, when Frenchman Gustave Falconnier introduced his hand-blown glass "bricks" at the Columbian Exposition in Chicago. Falconnier constructed several greenhouses with the lozenge-shaped blocks, and signs touted their use for "pavilions, conservatories, photo galleries, and surgical rooms." The product remained seldom used in the United States, however, due to chronic problems with internal condensation and glass stability.

By 1911, German-born architect Friedrich Keppler, working on be-



Bauhaus pioneer Walter Gropius built an entrance screen of glass blocks (left) for his 1938 home in Lincoln, Mass. (below).



Photos this page by James C. Massey.



Not surprising for a man who worked with lenses, Kodak scientist Gustave Fassin designed a curved wall of glass block for the 1936 International Style house he built for himself in Rochester, New York.

Photo by Andy Olenick

half of American Luxfer Prism Co., had developed a construction method using slabs of prismatic glass and reinforced concrete. Although the Keppler system also suffered from internal condensation and stability problems, American companies such as Keppler Glass Constructions, Luxfer Prism Co., and Structural Glass Corp. were soon producing commercial building systems based on Keppler's principles.

Nearly two decades passed before Structural Glass Corp. brought the first true hollow glass block to the American market in 1929. Though the new product had little immediate impact, the year is pivotal in glass block history because it marks the merger of two competing glass container manufacturers—Owens Bottle Co. and Illinois Glass Co.—into the enormous Owens-Illinois Corp. Shortly after the merger the stock market crashed, so the company promptly invested in research to diversify its product base. The result, developed in 1932, was the first Owens-Illinois glass block—a five-sided, machine-pressed, soda-lime glass unit sealed with flat glass plates.

Owens-Illinois introduced its new product to an international audience the following year at Chicago's 1933 World's Fair, "A Century of Progress." The company's impressive Glass Block Building featured a five-

In 1934 architect William Lescaze turned to solid-glass blocks by the MacBeth-Evans Glass Co. for modernizing his home and office in New York City.



Photo by Michael Devonshire

story central shaft incorporating blocks that were "many colored, semi-transparent, and approximately the size of ordinary paving bricks," according to an official fair guide. (Six years later, the 1939 New York World's Fair featured a complete glass house in the "Town of Tomorrow.")

By 1935 Owens-Illinois could announce a stronger, less costly version of its block, composed of two identical molded pieces sealed with lead. Designed to lay up easily with traditional bricks, the new Insulux blocks measured $4\frac{7}{8}$ " x 8" x $3\frac{7}{8}$ ". The company soon added 6", 8", and 12" square units. To underscore the virtues of its new product, Owens-Illinois quickly began constructing a new laboratory facility made entirely of glass block.

The promising innovations at Owens-Illinois soon prompted the Architectural Division of New York's Corning Glass Works to develop a competing product. The Pyrex construction block, announced in *The Glass Industry* of November 1935, measured $11\frac{3}{4}$ " x $11\frac{3}{4}$ " x 4" and fused two molded units to create "a partial vacuum of rarified air," thereby eliminating the problem of internal condensation. In 1936, Corning Glass Works and Pittsburgh Plate Glass joined forces to manufacture Pyrex blocks under the new company name Pittsburgh-Corning. Their PC

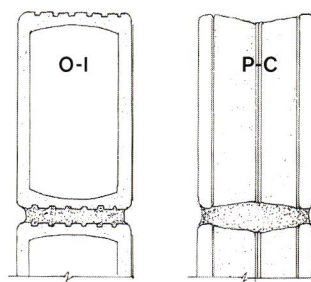


Glass block's strength permits its use in building entire extensions as in Joseph C. Goddayne's 1939 house in Bay City, Mich.



Photos (above) by James C. Massey

Though often partnered with smooth concrete or stucco, glass block worked equally well with brick masonry and was often paired with steel casements for ventilation.



Illustrations by Rob Leanna

Though 1930s glass blocks from Owens-Illinois (far left) and Pittsburgh-Corning had individual cross-sections, both laid up like bricks in a bed of mortar.



Photo: Chicago Historical Society

Block went into production the following year, and Pittsburgh-Corning showcased the product in its sleek new Manhattan headquarters.

Houses of Glass

JUST AS BLOCK PRODUCTION was taking off, residential construction enjoyed an upswing after several years of Depression-induced stagnation. By the late 1930s, trade and design publications were heavily promoting glass block for residential building. The 1937 *Sweet's Catalogue* entry for Owens-Illinois included photographs and architectural plans of residential glass block installations. *House & Garden* magazine praised the "many practical and decorative applications."

Once the public accepted glass block for residential use, manufacturers and architects quickly discerned its best applications within the home. Operating windows were still necessary for ventilation, so they customarily combined glass block and steel casements (or, later, jalousie windows) on facades from the mid-1930s through the mid-1950s. Just as frequently, they framed plate glass windows with block, used it to round off building corners, or constructed entire end walls of the material. Glass block provides a soft, northern-exposure

quality of light for stairs, foyers, hallways, dining rooms, and basement recreation rooms, regardless of their orientation. It's also highly resistant to mold, mildew, and grease, so block reigned in bathrooms and kitchens, where light, privacy, and sanitation are prized.

Many American architects and designers on the cutting edge employed the exciting new material in their work for its smooth, clean lines. Glass block construction—which served both window and wall functions in a single stroke—was enthusiastically embraced by the leaders of the Art Deco, Art Moderne, and International styles, including Walter Gropius (Gropius house, Lincoln, Mass., 1938); Milton J. Black (Ulm house, Los Angeles, 1937); and George Fred Keck (Bruning residence, Wilmette, Ill., 1936). In 1939, *Architectural Forum* and Owens-Illinois sponsored a residential design contest that elicited an impressive 702 drawings. A year later, the magazine praised the glass industry for its extensive research, product improvements, and sales of over 20 million glass blocks in five years.

In the 1930s both Owens-Illinois and Pittsburgh-Corning often compared block and steel windows head-to-head in charts and graphs. Such evaluations were sometimes misleading. Advertisements claimed



Photo by James C. Massey

LARGE-SCALE BLOCK

Among the earliest and most extensive applications of glass block in a commercial building is the 1937 Hecht Company warehouse in Washington, D.C. Designed by the firm of Abbot, Merkt, the bands of glass block are detailed before the curved corner to create a tower effect. Note the concave treatment of the block on the tower penthouse.

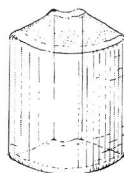
that various individual blocks had compressive strengths of 2,000 psi, light transmission of up to 86.5 percent, and insulation values equivalent to those of triple-glazed windows. When installed, however, the mortar joints reduced compressive strength to 400 psi, light transmission to 55 percent at best, and standard insulation value to that of a double-glazed window. Still, the obscured views, fireproof qualities, and sound reduction values (nearly 40 decibels) afforded by block were advantages in any densely populated area.

As America moved beyond the Depression years and World War II, the popularity of glass block began to wane, even as residential construction boomed. The new generation of architects rejected the popular styles of the 1930s, just as innovators of the Roosevelt era had abandoned the traditional architectural styles of their predecessors. Meanwhile, the majority of middle-class homeowners dismissed the sleek, progressive, machine-age architecture of the International and Art Moderne houses as design fads of the rich and famous. Colonial and English revivals were the style mainstays until the 1950s, and glass block did not harmonize with dentils, shutters, or half-timbering. Concurrently, single-glazed steel casements faded

into oblivion as more economical thermal-pane wood and aluminum double-hung windows arrived on the scene. Obscured views became less relevant in the sprawling suburbs of rambling ranches.

Perhaps the popularity of glass block in industry, as well as its practicality, led to its demise in residential construction. Who wanted to have their new house look like the factories and warehouses on the other side of town or to build with materials born in the cash-strapped 1930s? Still, both Owens-Illinois and Pittsburgh-Corning continued to research and expand their product lines with new patterns and better light diffusion in order to survive. In the late 1950s, Owens-Illinois debuted ceramic-faced and blue-tinted glass block in an attempt to buoy sales, while Pittsburgh-Corning re-introduced rectangular blocks. Neither innovation spurred demand. In 1964, Owens-Illinois shut down its glass block line. Pittsburgh-Corning continued manufacturing until the late 1970s, when it too announced the end of production. Eminent architects, led by the editor of *Progressive Architecture*, rose up in protest and persuaded Pittsburgh-Corning to reconsider. The company continued production and marketing with a concerted effort to revive block as a building material.

The large-radius corners of streamline-era facades and stairwells became the perfect place for walls of glass block.



Specialty curved blocks could be ordered for tight-radius applications.



Photo by Neal Vogel



Photo by James C. Massey

Used generously, but solely, in the lower storey, glass block leaves the visual weight of this Winchester, Va. house while emphasizing its horizontality.



Photo by Jim Draeger

In Beaver Dam, Wisc. the striking play of rectangular forms is accented by the glass block corner window at the house's center.

SUPPLIERS

PITTSBURGH-CORNING
800 Presque Isle Drive.
Pittsburgh, PA 15239-2799
(724) 327-6100
www.pittsburghcorning.com
Pittsburgh-Corning Glass Block
Circle 34 on resource card.

GLASHAUS, INC.
450 Congress Parkway, Ste. E
Crystal Lake, IL 60014
(815) 356-8440
glashaus@glashaus.com
Importers of Weck brand
glass block
Circle 35 on resource card.

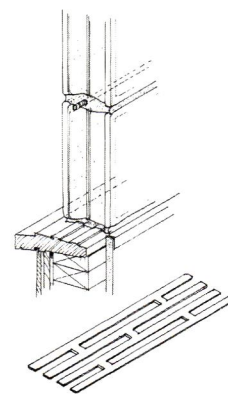


Glass block got its panache back in the 1980s when architects rediscovered its pearly luminescence, as in this 1988 interior by George Woo.

Photo by Balthazar Korab

BUILDING WITH BLOCK

The primary advantage of glass block was and remains its superiority in energy performance over its chief building product rival: the single-glazed steel casement window. Steel windows require diligent maintenance to prevent sizable energy losses due to infiltration, while glass block assemblies permit virtually no infiltration and are nearly maintenance-free. Glass block also greatly reduces solar transmission. Consequently it became fashionable in Miami, Los Angeles, and other warm-climate, trend-setting locales of the Art Moderne era.



Typical residential installations (top) reinforced glass blocks with one or more steel rods between courses. In the 1930s, anchor plates (above) bonded PC block to masonry walls.

Illustration by Rob Leanna

Block Bounces Back

BY THE 1980s, glass block was enjoying a resurgence, especially in residential construction, and the market continues to expand. Catchy names like Corona, Mist, Twinkle, Dawn, Savona, and Ibuki have helped boost the appeal of new blocks made and distributed by Weck (Germany), Quail Glen Trading, Ltd. (New Zealand), and Nippon Electric Glass Co., Ltd. (Japan). Plus there are a wide range of basic tints, colored edges, sandblasted designs, and tighter curves. Manufacturers responding to energy trends have developed a solar block with a metal oxide coating on the inside surface that reflects 66 percent of the solar energy back outside. Assembly methods and termination for interior partitions have improved as well. Block still is frequently relegated to the bathroom; it has become highly desirable for creating intimacy while affording modesty in today's trendy, oversized, whirlpool-equipped bathrooms.

So what do all these new blocks and uses mean for old-house owners? Hopefully, a glass block industry revived for new construction will lead to more reproduction patterns and sizes of original block—essential for restoration, since most glass block repair

is impractical and salvage block is rare. Pittsburgh-Corning, still the sole U.S. manufacturer, continues to make its original Decora and Argus patterns in 6" x 6", 8" x 8", and 12" x 12" sizes. Less common historic block and oddities, however, remain cost-prohibitive to match for most residential applications. When replacement is absolutely necessary, mismatched block may be the only alternative. Homeowners should document the original blocks and retain good examples in the house until an appropriate reproduction becomes available.

Glass block is back in all its machine-age beauty, and it's likely to increase in popularity. We live in a high-tech world where retro styles like "echo Deco," "neo-Moderne," and "International II" carry less shock value and find greater acceptance the second time around. As before, glass block will take its place in the homes of the future.

Elizabeth A. Patterson is a preservation researcher and writer in Evanston, Ill. (epatte9888@aol.com). Neal A. Vogel is a restoration consultant and principal of Restoric, LLC, in Evanston (restoric@earthlink.net).



BEFORE



Top: Stained cracks and suspicious shadows—the telltale signs of a delaminating plaster ceiling. Above: Holding a vacuum nozzle on the drill bit helps suck the $\frac{1}{4}$ " injection holes clear of dust.

MANY PLASTER-AND-LATH SURFACES
LAST FOR 200 YEARS, BUT THE FORCES
OF AGE, CHANGE, AND GRAVITY LIMIT
THE LIFE SPAN OF CEILINGS.

Hanging

Techniques *for* Reattaching

WHAT OLD-HOUSE owner doesn't have a cracking or sagging plaster ceiling somewhere? Besides the normal wear and tear of living, plaster-and-lath ceilings are at the mercy of gravity, and they can take only so many water leaks and structural movements before they pull away from the framing. The good news is, it's possible to repair and rescue them from further damage.

We have successfully reattached many old ceilings by injecting adhesive between the plaster and lath where the keys (anchors) have broken away over time. Though variations of this technique are not new—texts from the 1920s recommend liquid sulfur as an adhesive—we use modern materials that are easy to handle and inflict minimal damage to sound plaster. With these methods and good tool skills it's possible to restore the integrity of plaster ceilings for many more years of service.

Sizing up the Ceiling

AFTER CORRECTING WHATEVER problem made the ceiling loose in the first place (leaky roof, structural alterations), the first step is to assess how far the ceiling has pulled away. Gently push on the surface and judge the amount of play between plaster and lath. Hope-

fully, you will feel it move back into place like a jigsaw puzzle piece sliding into its own unique spot. If there are broken keys or debris in the way (see sidebar p. 54), the plaster will resist seating, and it will feel and sound "crunchy" akin to breaking eggshells—or crushing popcorn. Do not force it back into place or more plaster may break. Instead, just gently encourage the plaster with the flat of your hand.

If the separation is slight—say, between $\frac{1}{4}$ " and $\frac{1}{2}$ "—good reattachment is likely because the plaster will usually push back into place solid and flat against the lath. If the plaster sags $\frac{1}{2}$ " to 1" from the lath, there is often too much debris (broken keys, years of silt) between the plaster and lath for success. Unless you can vacuum out all this debris from above, reattachment is probably not an option. Often we find that the worst part of the ceiling has too much debris, and we have to remove this section, reattach the edges, then infill the lost parts with new plaster. Plaster that is soft and crumbly will not hold up during the pushing and drilling and has to be removed as well.

Removing areas of damaged plaster—particularly in a ceiling—will encourage more plaster to come down, especially if you use a chisel-edged tool. (We call this the "domino-delamination effect.") To control this tendency

by a Hair

Plaster Ceilings

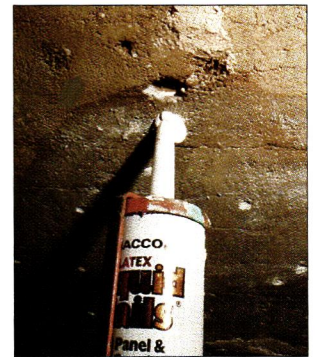
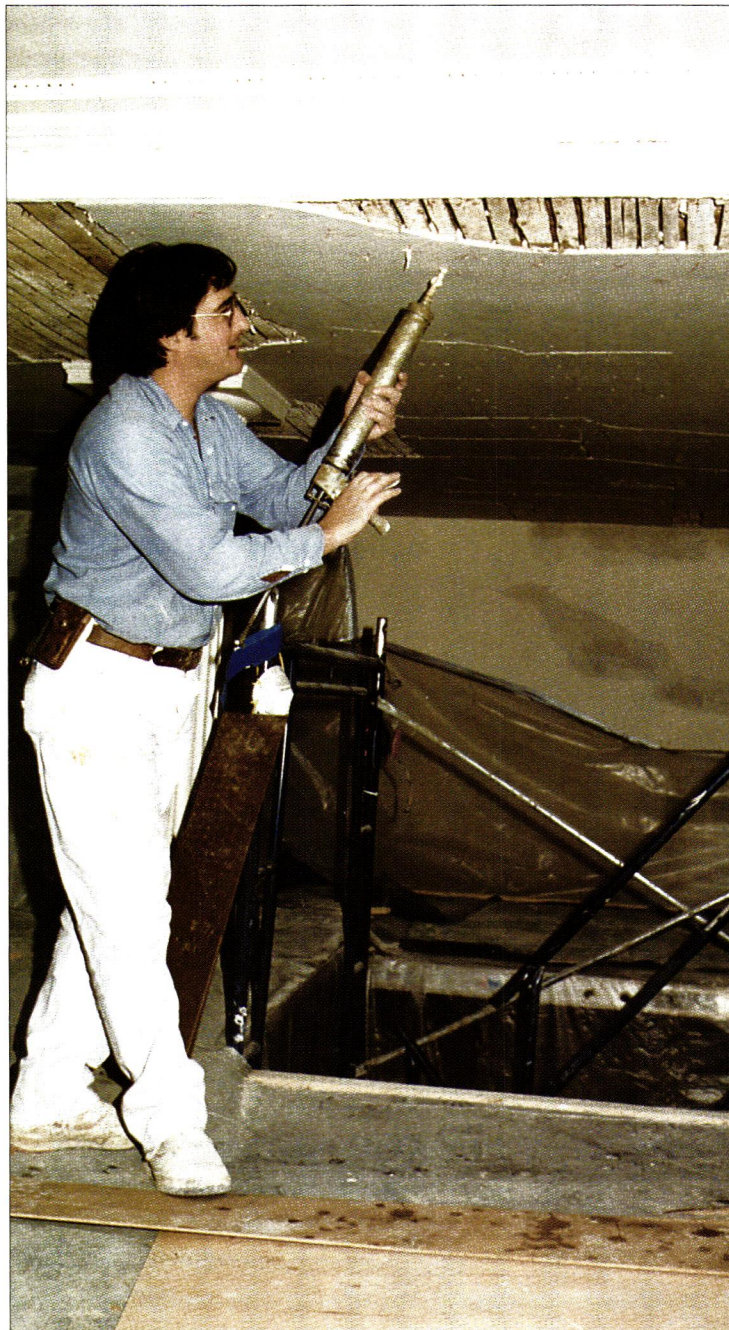
By Peter and Noelle Lord • Photographs by Peter Lord

we recommend carefully marking out your repair plan, then removing any areas with a sharp utility knife. Mark with a lumber crayon or pencil; a pen will bleed through your paint later on.

The holes you bore to inject the adhesive must be directly beneath the wood lath—not the spaces between the lath—so that the adhesive can bond to something solid. If you have removed any plaster, or dug out a crack for repair, then you can see the positions of the lath. In a reattachment-only repair, however, finding lath is basically hunt-and-peck. Sometimes, if the plaster is not too thick, you can stand back and look for “ghosts” or shadows of the lath showing through the finish coat.

Once you have a solid fix on one lath, assume that the rest of the lathing is $1\frac{1}{2}$ " to 2" wide and spaced approximately $\frac{1}{4}$ " to $\frac{1}{2}$ " apart. If you have an in-fill area that needs reattachment at its edges, mark for injection sites $1\frac{1}{2}$ " to 2" back from the edges. If you are only reattaching plaster, plan for injection holes every 3" to 4", no more than 6" apart.

We bore injection holes with a $\frac{1}{4}$ " carbide drill bit. Making these holes presents a second challenge because it is very important to bore only through the injection surface. For example, if you are reattaching from the plaster side, you must bore completely through the plaster, yet stop before going into



Left: Peter Lord prefers a commercial-size gun for reattaching the savable edges of this ceiling. Above: The $\frac{1}{4}$ " injection hole is an effective size for a good seal with the adhesive tube.

For more information on
PLASTER REPAIR
visit the OHJ website at
www.oldhousejournal.com



Top: Floor to ceiling shores hold the poly-coated forms in place. Note the pre-1840s split lath in the ceiling, and the industrial wet/dry vacuum in the background. Above: Screwing forms to the lath eliminates shores but adds holes.

SUPPLIERS

USG CORPORATION
125 S. Franklin St.
Chicago, IL 60606
(800) 874-4968, www.usg.com
Structolite perlited plaster.
Circle 32 on resource card.

BON TOOL CO.
4430 Gibsonia Rd.
Gibsonia, PA 15044
(800) 444-7060, www.bontool.com
Plastering tools.
Circle 33 on resource card.

the wood lath. Conversely, if you are reattaching from above, you need to bore through the lath, but stop before the plaster. By paying attention to the changing resistance of the materials on the drill bit it's possible to develop a feel for these different layers.

After you have bored your injection holes, you need to vacuum out the debris and drilling dust. Older plaster is soft so be careful not to suck it off the ceiling with the vacuum! Place your hand near the hole to gently support the plaster while you vacuum using the other hand. Do not push the plaster back up into place, however; the void will allow the vacuum to pull some of the debris out through the hole. If you have access from above, you can vacuum more of the silt and debris. Remove keys that are visibly loose or broken as well. Use a wet/dry shop vacuum designed to handle the fine dust. Plaster will kill a household vacuum in short order.

Next, wet the injection holes by either spraying down the lath with a squirt bottle or squirting up into the drilled holes from the plaster surface. Wetting encourages the adhesive to travel farther when it is compressed and will also slow the drying time slightly for a stronger bond.

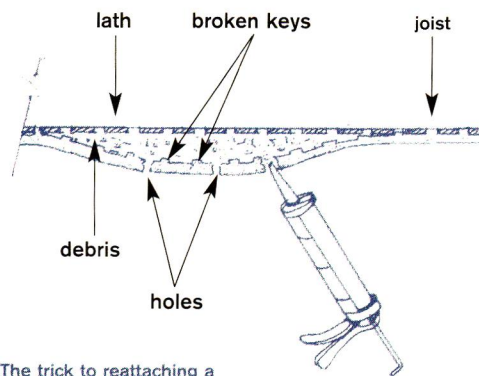
Bonding and Shoring

Finally it's time to inject adhesive. We use a water-based, latex product that is actually a vinyl floor adhesive. However, any good-quality latex or acrylic adhesive can work (for example, Liquid Nails or floor adhesive). You can purchase these products at construction supply houses and hardware stores in caulking tubes for small projects or five-gallon pails for large jobs. We use a caulking gun with the tip cut to fit snugly in our $\frac{1}{4}$ " holes, and inject the adhesive until the plaster moves ever so slightly (one squeeze of the average caulking gun is usually enough). If you

Two Sides for Working

YOU CAN REATTACH AN old ceiling by working from the finished, plaster side. Or you may be able to work from the unfinished, lath side if you have access above the ceiling from an attic or removed floor. There are advantages and frustrations with either method. Reattaching from the plaster side leaves you with holes to fill and further disturbs the plaster.

Reattaching from the lath side usually means working in a cramped, dark space. Nonetheless, this approach is particularly useful when you have ornate plaster, a hand-painted ceiling, or you must disturb



The trick to reattaching a ceiling is removing debris, then injecting adhesive right between the plaster and lath.

Illustration by Rob Leanna

the plaster as little as possible. We prefer reattaching from the plaster side, however, because visibility is better, one person can do the work, and we can tell at any time how the plaster is reacting to the process.

Buttoned Up Tight?

PLASTER BUTTONS OR WASHERS are designed for securing plaster back to the lath similar to the reattachment process described here. They are meant to be a quick, simple solution to plaster delamination, but they have their limits, especially for large repairs. Plaster buttons only bear on an area about 1" in diameter, and they are most effective where there is no residue and silt build-up between the plaster and

lath. (The screws that anchor the buttons must make it through the plaster with enough length to grab the lath or joists for a strong hold.) Buttons can also crack and shatter the surrounding plaster if they are screwed in too tightly. Finally, these large washers need to be skimmed over with two or more coats of filler or compound in order to hide them, sometimes adding to the blending and finishing stages of a repair.

inject too much adhesive you will actually push the plaster off the ceiling. As you inject, follow along with a damp sponge to wipe away the excess adhesive that leaves the holes when you remove the nozzle. Complete your entire series of holes, then go back over the plaster with a clean, damp sponge to remove further glue residue. Follow the same process if you're working on the lath side, leaving adhesive wipe-up as an optional step.

Once we have injected adhesive into the repair area, we push the plaster back into place against the lath and secure it with forms. This step spreads the adhesive so that it bonds to a greater surface area. We use flexible plywood squares ($\frac{1}{2}$ " to $\frac{3}{8}$ " thick) covered with a layer of sheet polyethylene. Do not underestimate the importance of this layer of poly; if you forget it you will glue the plywood to the ceiling and take all the plaster with it if you attempt to remove the form. (Sound like first-hand experience?) Last, we secure these in place with screws or wood shores running to the floor (see photo p. 54), then allow the adhesive to set up for 24 hours. Screws save the time of fitting wooden shores and keep the work area clear, but they can damage the plaster and leave more holes to fill later. Shores are more appropriate for fragile, decorative, or museum-quality plaster, and we use them for both plaster-side and lath-side reattachment.

The next day you can remove the forms. Where some of the plastic sticks to adhesive injected from the plaster side, simply scrape it off

with a putty knife. The adhesive is still soft around the holes at this point, but has set up enough to remove the forms. On the plaster side, scrape off the dried adhesive residue with a drywall or putty knife, then use the corner of a putty knife to gently scallop out excess adhesive showing from the hole. As it dries fully over another day or so (depending on heat and humidity) the adhesive will further retreat into the hole, leaving a clear space to fill.

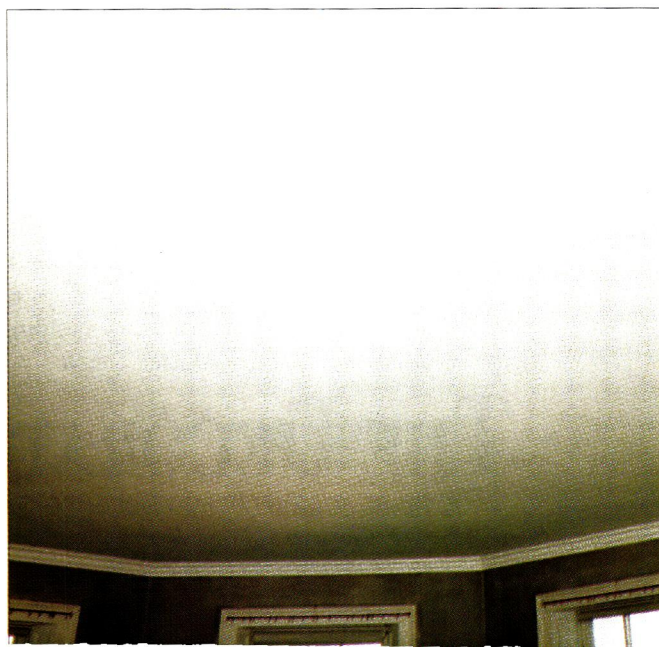
We usually fill the injection and screw holes with Durabond 45 (sandable), mixed to the consistency of peanut butter, because this product has a quick set-up time and dries very hard with minimal shrinkage. However, any vinyl paste filler or plaster/joint compound can be used for this step. Usually, it takes two to three applications to fill the holes flush with the ceiling, depending upon the product. Other than this, the ceiling is now reattached and ready for a skim-coat of plaster or a fresh coat of paint.

Peter and Noelle Lord, operators of Peter Lord Plaster & Paint, Inc., specialize in the preservation and restoration of historic surfaces and all plaster systems (151 Mast Road, Westbrook, Maine, 04092; 207-856-0156; www.plasterlord.com).



Top: Bulges too gone to reattach are best removed, then replastered. Above: Adding wire lath over wood lath improves an infill repair. Below: Like all good restoration, a successful repair is hard to see.

A F T E R





The Master Touch

Artistic --- Authentic --- Affordable

For more than a century, designers and architects have enriched their projects with accent elements created by

THE DECORATORS SUPPLY CORPORATION.

Today we offer replicas of some fifteen thousand original designs, produced in varied materials readily installed by tradespeople or do-it-yourselfers. Whether you are involved with period restoration, remodeling or a new-building project we can help you add the distinctive Master Touch.

For further information call (773) 847-6300
or Fax: (773) 847-6357.

Or send \$30.00 for our five book set of copiously illustrated catalogs, useful resources which will help you create new dimensions of beauty.

THE DECORATORS SUPPLY CORPORATION

Providing Architects and Decorators Fine Detailed Replicas of Exquisite Hand Carvings for Over a Century

3610 SOUTH MORGAN—CHICAGO, ILLINOIS 60609—PH: (773) 847-6300 FAX: (773) 847-6357 www.decoratorssupply.com



ABATRON, INC.

For FREE CATALOG Call 1-800-445-1754

Restoration and Maintenance Products

*Specified by the U.S. Government,
Architects, Builders and other Professionals.*

Abatron Restoration Systems meet and surpass the restoration and maintenance standards for wood, stone, concrete, metal, composites and other materials. Developed and manufactured by Abatron, they are based on **epoxies, urethanes, acrylics, vinyls, silicones, polyesters and other materials** in wide ranges of viscosity, hardness, flexibility, thermal, chemical and mechanical properties.

Some of our most popular products:

Wood Restoration

WoodEpox: structural adhesive paste and wood substitute, used in any thickness to fill, add or modify. It can be sawed, carved, machined, nailed, sanded, stained, painted.

LiquidWood: liquid, penetrating consolidant for restoring strength and function to rotted or spongy wood.

Both **LiquidWood** and **WoodEpox** permanently restore structures, windows, furniture, columns, frames, statuary, boats and most rigid surfaces, and impart water and insect resistance.

Stone, Concrete, Masonry Restoration

AboCrete, to permanently repair, resurface fill and bond driveways, floors, decks, swimming pools, most damaged rigid surfaces, concrete, wood, metal and other surfaces.

AboWeld 55-1, structural thixotropic paste to permanently repair or reshape stairs, statuary and vertical surfaces without forms.

AboWeld 8005-6: to bond new poured concrete to old concrete and other surfaces.

AboJet Series: for structural crack injection, in a wide range of viscosities and other properties.

Moldmaking and Casting Compounds

MasterMold 12-3: non-toxic polyurethane paste for flexible, large and small molds: best for architectural components, column capitals, statuary, moldings, decorative and structural elements. Excellent elasticity, form retention and number of castings.

MasterMold 12-8: liquid 12-3 to pour flexible castings.

WoodCast: light-weight, impact resistant pourable compound for interior and exterior castings.

Structural Adhesives, Protective Coatings, Sealants and Metal Repair Compounds

meeting all kinds of specifications for composites, structural and decorative components, indoors and outdoors.

Metalfix: metal-filled adhesives for high-strength repairs.

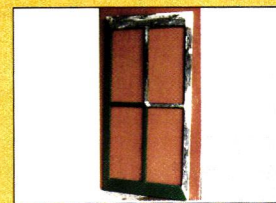
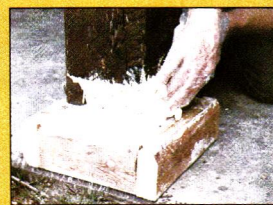
Epotron 5: clear adhesive for laminates.

AboCoat and Abothane Series: protective coatings for floors, walls, tanks, tubs, and boats. Water dispersions, solvent systems or 100% solids.

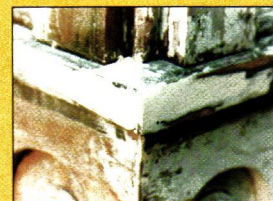
Circle no. 228



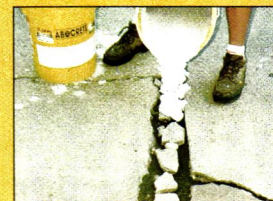
Rotted & infested base of a loadbearing column is completely sawed off and replaced with **WoodEpox**.



Antique window sash is salvaged, consolidated with **LiquidWood** and rebuilt with **WoodEpox**.



Consolidation and rebuilding of rotten windowsill with **LiquidWood** and **WoodEpox**.



AboCrete, is much stronger than concrete, bonds permanently & does much more, quickly and for much less money.



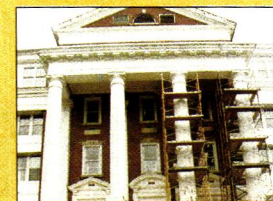
AboWeld 55-1, is much stronger than concrete and shapes without forms on steps and difficult surfaces.



MasterMold can reproduce capitals, structural & decorative components, statuary & other patterns quickly & cost effectively.



AboJet
series for structural crack injection



Abatron products in all kinds of buildings...in all kinds of packaging.

for all of your
RENOVATION
& BUILDING
needs.

floor and wall coverings

**lav sets, kitchen
and tub faucets**

**over 2,000
building and renovating
essentials**

1-800-659-0203

Ask for Dept. 2467, or write

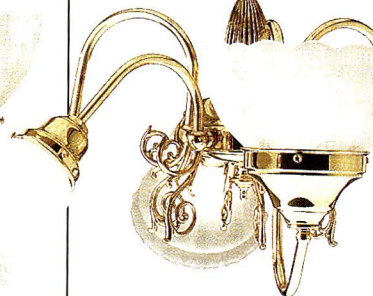
RENOVATOR'S

Renovator's Old Mill, Dept. 2467, Millers Falls, MA 01349

**Lav Sets and
Faucets. Ceramic
washerless
design
surrounded
by solid brass.**



**Solid Brass
Formal and
Traditional
Lighting.
Authentic period
designs for
every room in
your home.**



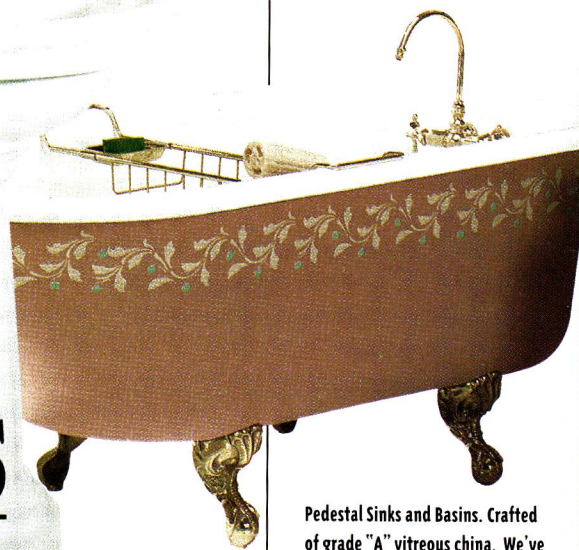
Authentic Oriental Style Rugs and Runners. Enjoy the look, feel and quality of fine Orientals at a fraction of the cost!



**Ceiling
Medallions, Corner
Medallions and
Pediments. Add the period
look of plaster without the
mess or cost.**



Solid Brass Door and Drawer and Cabinet Hardware. The best and widest selection anywhere, treated with our exclusive RSP no tarnish finish.



Pedestal Sinks and Basins. Crafted of grade "A" vitreous china. We've got the look you want!

AMERICAN HOUSE STYLE

See foldout for more.

PRAIRIE STYLE

ROBIE HOUSE (1906)

CHICAGO, ILLINOIS

Deep cantilevers, waferlike Roman brick, and bands of horizontal stone create the ground-hugging essence of the Midwest in Frank Lloyd Wright's Prairie masterpiece.

Christian Korab

PR

IRIE STYLE



THE SO-CALLED PRAIRIE SCHOOL, which flourished from roughly 1900 to 1920, was actually a group of innovative young architects in the Midwest—the prairie states—united by a common aesthetic, and to some extent by an association with Frank Lloyd Wright, the most well known among them. They didn't call themselves Prairie School architects, by the way; an architectural historian coined the name half a century later. Several of the first Prairie Schoolers—Dwight Perkins, Robert Spencer, and Myron Hunt—had split office space with Wright in the attic of Chicago's Steinway Hall in 1897; some had been colleagues in Louis Sullivan's Chicago firm. Each shared Wright's conviction that buildings should be “organic”—that is, firmly rooted in their settings, built of native materials, and designed to seem almost part of the land itself.

A typical Prairie House was long and low, with strong horizontal planes emphasized by a low hipped roof, deep eaves, and long bands or “ribbons” of windows and string courses. It was often built of masonry, usually rough stone or color-flecked brick laid in all-stretcher bond. A Prairie House merged with its site in ways the 19th century never dreamed of, with patios, terraces, and gardens that flowed directly from the rooms within, open sleeping porches and balconies, and walls of glass.

Although Prairie Houses were not generally one-storey buildings, in many ways they laid the groundwork for the modern, one-storey open-plan house. The Prairie interior was as open and flowing as the exterior. It usually was centered about a massive fireplace (acknowledged on the exterior by a massive chimney),

which symbolized the heart of the home. If the architect had anything to say about it (and he often did), the interior was beautifully finished in fine woods and plaster, with chair rails, picture moldings, and vertical accents dividing the walls, and wood beams across the ceiling. Architect-designed lighting fixtures in copper and other metals augmented natural light from grouped casement windows and French doors. If the client was willing and financially well-enough endowed, even the furniture, carpets, draperies, and other appointments would be executed to the architect's specifications, again using a spare, linear, but far from austere aesthetic that turned firmly away from traditional decorative motifs. Outside, too, the architect was in charge. Gardens, planters, retaining walls, fences, swimming pools, parking areas and garages (increasingly a design factor) all came under a single, controlling hand that sought to integrate every element of house and site.

As you might expect, Prairie Houses are found most often in the Midwest—from Illinois and Nebraska to Iowa—but they sometimes turn up farther afield, in places like Missouri, New York state, and Puerto Rico. Architects' names to watch for (in addition to Wright, Perkins, Spencer, and Hunt) include Purcell and Elmslie, Walter Burley Griffin and Marion Mahoney, George Maher, William Drummond, and Barry Byrne, among others. After Wright decamped for Los Angeles, these designers continued the Prairie tradition for several years before the crushing tide of Eclectic Revivalism finally did it in.

—JAMES C. MASSEY and SHIRLEY MAXWELL

[1900-1920]

PRAIRIE



IRVING HOUSE (1909) (above)
DECATUR, ILLINOIS.

Prairie interiors continue the horizontal emphasis with horizontal bands of wood, open floor plans, and ribbons of windows. The massive fireplace once held a mural by interior architect George Mann Niedecken, a frequent Prairie collaborator.

WILLITS HOUSE (1902) (right)
HIGHLAND PARK, ILLINOIS.

Wright extended a cruciform plan into four jutting Prairie wings.



OLDHOUSE JOURNAL



RESTORE, RENOVATE AND RENEW YOUR OLD HOUSE.
LET THE OLD-HOUSE EXPERT TEACH YOU HOW.

For over 25 years OLD-HOUSE JOURNAL has been teaching old-house lovers how to restore, renovate and renew America's old houses. Each issue offers encouragement and inspiration with step-by-step, how-to information. You'll also find discussions that will feed the old-house owners' appreciation of architecture and historic house styles.

Let the experts take your renovation projects from start to finish with easy-to-understand instructions and vivid photography.

BASICS

Fresh from the foundry, much architectural hardware gets buffed to a shine with motorized wheels and sticks of rouge, such as the two shown here. Removing tarnish from old-house brightwork, however, calls on a variety of methods, each matched to the nature of the metal.

Tackling Tarnish

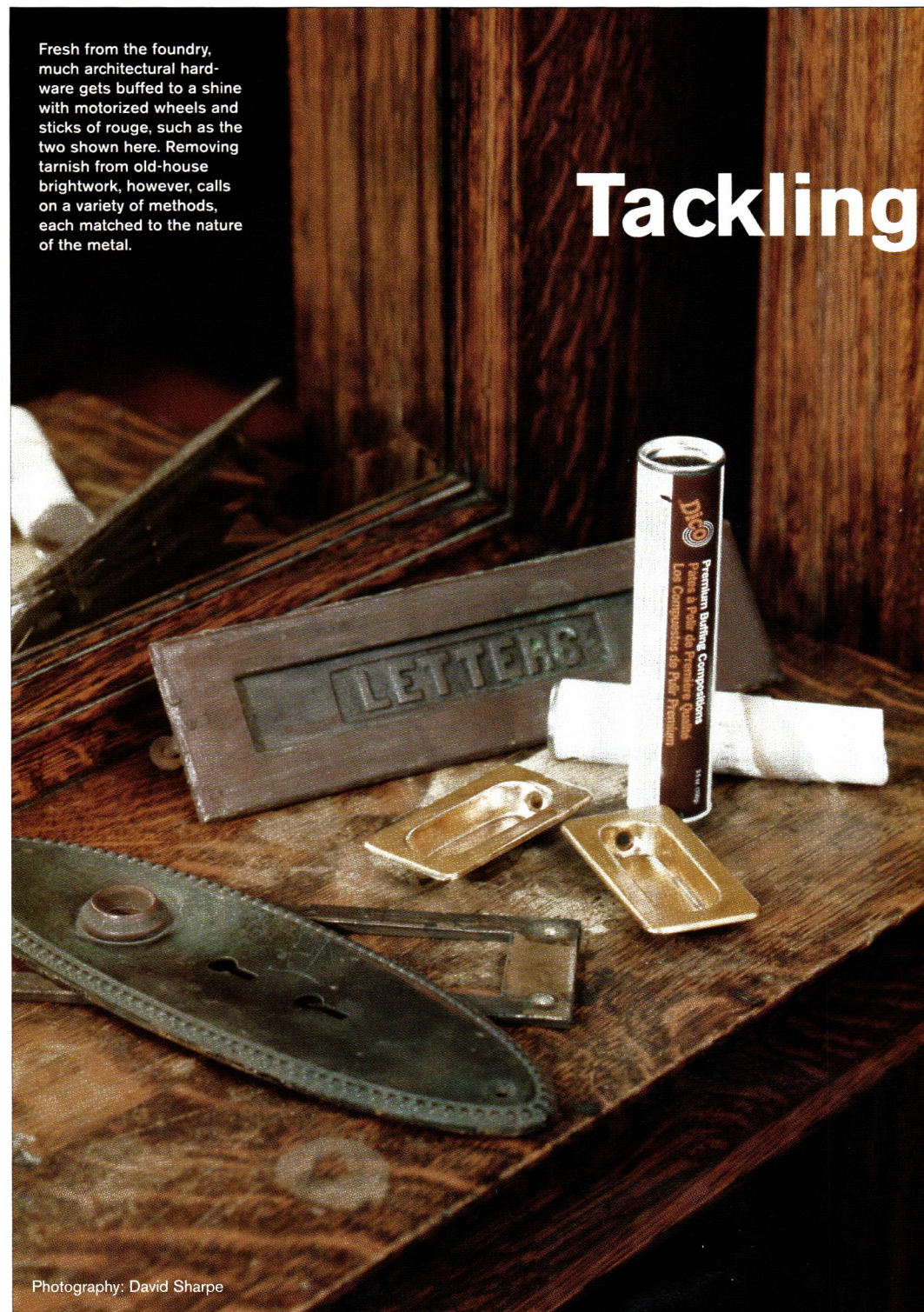
By Marylee MacDonald

PHOTOGRAPHY BY DAVID SHARPE

TARNISH DULLS THE finish of historic hardware. More than taking away a little shine, tarnish mutes the highlights that are part of the ornamental details in switch plates, cabinet pulls, door and window hardware, lighting fixtures, silverware, lamps, and hinges. Outdoors, metals such as bronze tarnish quickly, eventually forming a brown to gray-green patina that we accept on statues in our parks. At home, though, where we expect our kickplates and door knockers to be bright, tarnish equals dirty.

Few people have the help to keep all the architectural metal in an old house looking bright. (It's enough of a challenge to clean the silver for holidays!) Given today's two-career households, here are some recommendations to help you remove tarnish and learn to appreciate the understated beauty of patina.

Photography: David Sharpe



TARNISH AND METAL TYPES

TARNISH COMES ABOUT WHEN a nonferrous metal, such as copper, silver, or brass, reacts with oxygen and sulfur in the air. In this chemical reaction, the surface metal is oxidized to its ionic form. Tarnish remover strips away this oxidized layer. If you leave tarnished metal alone, the oxidized surface may further react with moisture (rain, fog, or humidity) to form a protective coating, or patina. A patina can form naturally or be created by chemical processes. It will form more slowly in a dry climate than a humid one.

Architectural metalwork—hinges, drawer pulls, bathroom fixtures, fireplace fenders, kickplates, and lock-and-knob assemblies—can be solid or plated, or a combination of the two. A solid metal is uniform throughout, as seen when you scratch the back side of a brass hinge and the scratch reveals more brass. On plated metal, the back may reveal a different metal underneath—or, it may not. Sometimes, both sides were dipped in the electroplating tank. To inspect more closely, cut through the finish on the back side using a razor blade or sharp screwdriver. If you see yellow, you have brass; red means bronze; white reveals that the underlying metal is steel, cast iron, or pot metal.

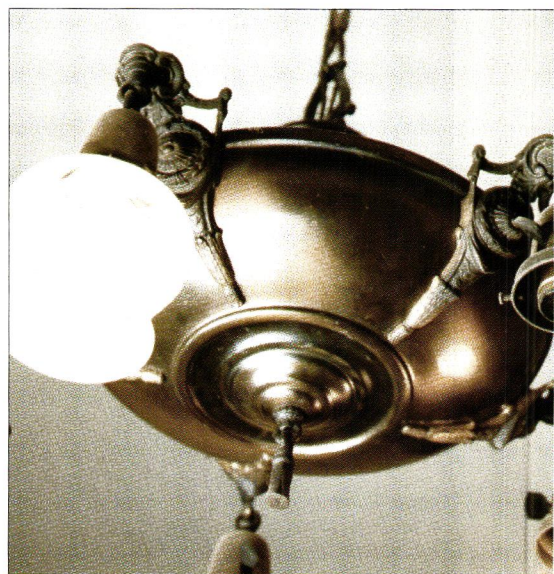
In electroplating, steel, cast iron, pot metal, or other base metals are coated with a finer, more expensive metal. Plating is

also added to prevent tarnish. A base metal of brass or copper lies beneath many bathroom fixtures with a nickel surface. Nickel plating is common on lighting fixtures as well. Silver plate is the poor man's sterling. Chrome has been used in plating from about 1930 on. When the plating wears thin, the base metal shows through.

LACQUERED FINISHES

LACQUERED FINISHES CAN FOOL THE EYE. They can look like anodized bronze, copper, or brass. They're found on architectural hardware that might see only minimal wear and tear, such as light fixtures. Some bronze finishes, such as those on some Coleman lamps, are merely dark lacquers applied to a brass base. More recently, clear lacquer has been used on brass restoration hardware—faucets, lighting fixtures, and switch plates.

Before you attempt to "shine up" any metal, test to see if it is lacquer-coated. With a soft cloth, apply polish lightly to an inconspicuous area. The cloth will turn black if the piece is not lacquered. However, if there is no color change, the object is lacquered, and you should try to save this protective coating. Dust with a piece of soft chamois. Never use water on lacquer; it will cloud the finish, just like water on a lacquered table top.



Examine light fixtures closely before making assumptions about metal finishes or polishing. What looks to be solid metal may actually be thin plating or even lacquer; the appearance of tarnish is sometimes an intended "antique metal" effect.

REMOVING TARNISH

THERE ARE TWO WAYS to remove tarnish. You can clean the object in place or remove it and clean in a work area. Before polishing hardware in place, mask off the adjacent paint or varnish finish with cardboard or low-tack painter's masking tape. If you remove the hardware, use penetrating oil to loosen frozen bolts or screws. Then put all the hardware, including screws, in a locking freezer bag labeled with the original location. You can polish several sets at a time or send them out to be polished or replated.

Assemble your tarnish removal kit:

Mercurial Metals

By manipulating plating metals, chemical treatments, and polishing methods, hardware manufacturers and finishers have long been able to produce the same basic fitting in a spectrum of decorative looks—as many as 20 standards in the 1920s. When polishing old-house hardware, first look for evidence of the untarnished finish (in hidden areas, say) to establish the original appearance.



Antique Copper



Bright Brass



Bright Bronze



Bright Nickel



When toasters, stoves, and other cooking appliances overheat, the finish will often discolor with "heat bluing." Though this can be hard to remove, it may respond to polishes recommended for chrome. (Simichrome is one brand.)

cotton swabs (such as Q-Tips) or a wooden cuticle stick; a bag of cotton balls; needle-nose pliers; masking tape (3M blue or other); and a bag of soft cloths (T-shirts, diapers, or the fleecy side of an old sweatshirt). Diaper services sell old diapers by the pound, and if you have a lot of metal to polish, you'll need a plentiful supply of rags.

A high-quality metal polish saves labor and will work on any metal—copper, brass or chrome (see Suppliers list). As always, test before tackling a large area, just to make sure the metal is what you think it is and not a lacquered finish or an

extremely thin—and therefore fragile—plate, as is often the case with lamps.

Don't try to save labor by using tarnish-removing, immersible metal plates. Promoted as a quick way to polish silverware, these products go into your sink along with hot water and salts. If you don't rinse thoroughly after a minute or two, your hardware may "bloom" with specks of white. These are salts that are difficult to remove.

Metal polish comes in either liquid or paste, and the choice is strictly a personal one. I prefer paste for hinges and liquid for tiny screws. To avoid crushing screw threads, wrap them in masking tape and hold the screw with needle-nose pliers while you polish the head. To get at the detail areas, use cotton swabs or a cuticle stick wrapped in cotton.

Never use a toothbrush, especially on silver. The bristles will scratch the metal. The same is true for steel wool, which should only be used to clean up the steel portion of locks. Tiny fibers of steel wool can become embedded in softer metals, and when the steel rusts, tiny orange spots will show up. If you feel the metal is hard enough to tolerate scrubbing, use a green gentle-scouring pad—the kind used for kitchen cleanup on nonstick pots and pans. Turn rags frequently to avoid blackening cleaned areas. Then rinse well and buff dry.

Removing Overpaint

If your hardware is spotted with paint, you'll want to remove this unsightly spatter. Don't use paint stripper, because the chemicals may eat away any electroplating. (In fact, the chemicals in paint can also remove plating.) If the hardware is merely spotted, you may be able to save the finish, but if plated hardware is buried beneath a thick coat of paint, the chances are slimmer. Try to save the plating by removing the paint with the following method.

The idea is to shock the hardware with a hot water bath that makes the metal expand, breaking its bond with the paint. In a stainless steel pot, bring a quart of water to a boil. Turn off the heat and throw in two tablespoons of baking soda (a gentle cleaner that will aid the process). Immediately immerse your door handles or hinges. Leave them in for a minute or two, then take them out and brush off the paint with a green, low-abrasive scouring pad. This method is safe for most plated and solid metals.



Butler Brass



Hand Rubbed Bronze



Satin Nickel

Hardware courtesy Al Bar-Wilmette Platers

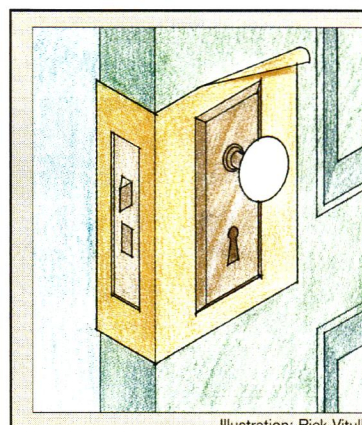


Illustration: Rick Vitullo

Polish Protection

Any polish that can remove tarnish from metal has the potential to damage a wood finish, especially decorative graining. If you can't remove hardware for polishing, protect the nearby finish with masking tape—or, for multiple jobs, a reusable mask. Cut oaktag or a manila folder to fit snugly around the hardware, and as large as two sides of a door lockset.

SUPPLIERS

FLITZ INTERNATIONAL, LTD.
821 Mohr Avenue
Waterford, WI 53185
(262) 534-5898
www.flitz.com
FLITZ metal polish and furniture wax.
Circle 7 on resource card.

COMPETITION CHEMICALS, INC.
P.O. Box 820
Iowa Falls, IA 50126-0820
(641) 648-5121
Simichrome metal polish.
Circle 8 on resource card.

ARISE & SHINE
317 Wickcliffe Ct.
Sevierville, TN 37876
(800) 936-6548
www.wenolit.com
Wenol metal polish; order on the web
or by phone mentioning Old-House
Journal.
Circle 9 on resource card.

CLASSIC RESTORATIONS
221 Spice Avenue NE
Lake Placid, FL 33852
(800) 225-7422
www.metalpolish.com
Wenol metal polish.
Circle 10 on resource card.

AL BAR-WILMETTE PLATERS
127 Green Bay Road
Wilmette, IL 60091
(847) 251-0187
Metal finishing and plating.
Circle 11 on resource card.



Good metal polishes are easy to find at quality hardware and lighting stores. Many come in both paste and liquid form; the choice is largely a matter of personal preference.

tive beauty, use a chamois cloth to dust this metal as well.

Each time you remove tarnish, you wipe off the outer layer of metal, gradually muting the hardware's detail. To reduce the number of cleanings, why not allow a patina to develop on some or all of your architectural metal, except those pieces that cry out to be cleaned? You could buff up the fireplace fender but not the sash pulls. Or you could lightly polish the raised ornament to bring highlights to the piece.

Similarly, since the finish on antique furniture is no longer factory bright, why not allow the drawer pulls to develop a patina? Bright brass pulls can be a jarring contrast on cherry or walnut antiques. Foregoing tarnish removal will save the finish on the dresser, which potentially could be damaged by polishing in place. Use a chamois cloth to remove dust.

If you're determined to remove tarnish, then do so every six to 18 months to keep the job from getting out of hand. You can also extend the time between cleanings by applying a wax compatible with your favorite cleaning product. This is eas-

ily removed by metal polish during your next cleaning.

A final suggestion is to have your pieces lacquered. Lacquer should be applied only by a reputable plater. If you buy a can of spray lacquer and attempt the job yourself, you will be disappointed. Changes in CFC (chlorofluorocarbon) regulations have cut down the retarders that were once routinely added to spray lacquer. Without them, the lacquer can easily trap ambient moisture under its film, turning the shiny metal to a cloudy mess overnight. To remove lacquer from a botched job, you need either acetone or lacquer remover. Both are volatile chemicals with associated health and safety concerns, so leave this work to the pros. Professionally lacquered hardware should not tarnish for 10 or more years.

PLATING COMPANIES

A REPUTABLE PLATING COMPANY can save you a lot of work. Consider sending your hardware to a plater when the detail is highly ornamented or when it is so badly tarnished that the plated finish has worn through to expose the base metal. The plater will put your hardware in a glass bead machine to gently lift tarnish from all areas in relief. When performed by craftsmen, this is the best way to preserve detail and is preferable to removing tarnish with a buffing wheel.

Before you send work to a plater, make sure the company can handle small jobs without losing parts, including your screws. Before you send a large or complex order, try the company out on a small job. Bag each piece of hardware in a locking freezer bag and include a list of parts, then make sure everything is returned before you pay.

Marylee MacDonald is a contributing editor of Old-House Journal.

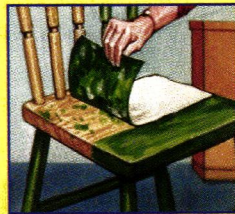
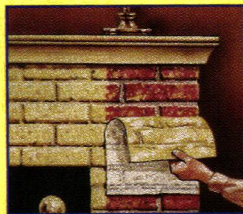
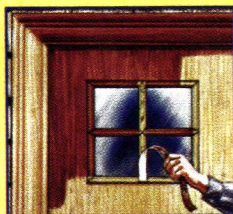
LABOR-SAVING TIPS

BE VERY CAREFUL ABOUT WHAT you attempt to polish. Metals with a patina do not need to be polished. For example, bronze statues and Art Nouveau lamps should never be polished; the polish will remove the patina. On art bronze, don't use cleaning products that contain ammonia, such as Windex, to remove dust. Ammonia attacks the metal. A soft, dry chamois cloth works best for dusting. (Don't use a feather duster, because the feathers break and scratch the metal.) Once or twice a year, use a cotton-wrapped cuticle stick to remove dust from crevices. Since pewter also forms a patina that is part of its distinc-

You Saw It On TV's "THIS OLD HOUSE"

LIFTS • PEELS • STRIPS AWAY UP TO 30 COATS OF PAINT AT A TIME!

- **NOW AVAILABLE IN COMMERCIAL PRE-MIX**, simply apply - let set - and lift away paint in one single action.
- There are **NO TOXIC FUMES** and **NO FLAMMABLE SOLVENTS**!
- Amazing European discovery turns layers of paint into a single sheet, so it **LIFTS AWAY INTACT**!
- Ends sanding - scraping - spraying - chipping - steel wool virtually **FOREVER**!



"PEEL-AWAY" WORKS WONDERS ON WINDOWS, WALLS, BRICKS AND FURNITURE

You've seen it on TV's "THIS OLD HOUSE." You've read about it in newspapers and magazines. Now here it is, the amazing wonder formula that starts to penetrate old paint (shellac and varnish, too) IN JUST MINUTES! Transforms it into a soft, plastic-like film. Then simply let set...lift, roll, strip up to 30 coats of paint away in a single lift-away action! Years of built-up paint, lift away quick and easy. "PEEL-AWAY" will also remove painted or unpainted wall paper.

**SIMPLY COAT IT ON-LET SET-
SEE IT TURN PAINT TO "PAPER"-
AND PEEL IT AWAY IN A SINGLE
LIFT-OFF ACTION!**

And now it's even easier than ever to apply, because easy to use, "PEEL-AWAY" comes in a NEW READY-MIX formula. Ready to use, just coat onto practically any painted surface, (except on factory baked finishes such as cars, washing machines, etc.) press down special "PEEL-AWAY" magic Liftex Strip away cloth...let formula set and adhere to surface and lift away old paint. It is as simple and easy as that!

**SO ECONOMICAL TOO! REMOVES
YEARS OF BUILT-UP PAINT...UP TO
30 LAYERS AT A TIME!**

"PEEL-AWAY" is every home-owner's dream come true. Ideal for indoors on walls, windows, furniture, etc.-Plus 101 outdoor uses too. And it's so economical too. Homeowner's size alone gives enough coverage to strip away as much as 50 to 80 feet of average wall and door trim, window frames, furniture, molding, stair railing, patio furniture, edging, roof gutters...its uses are almost endless!

**SAVES WORK! SAVES TIME!
SAVES MONEY! MAKES TAKING
OFF PAINT ALMOST AS EASY AS
PUTTING IT ON!**

So for the new low-cost, super-fast way to lift away old paint...lift away old varnish and shellac...order your "PEEL-AWAY" today on a full money-back guarantee. REMEMBER: You must be able to simply coat...peel... lift and strip away up to 30 layers of old paint in a single lift-away action...without sanding, scraping, chipping or steel wool...or purchase price refunded in full. Order today!



PROVEN WORLD WIDE:

WASHINGTON MONUMENT, Baltimore, MD
LIFTED AWAY **28 coats** of paint
in a single application!

GREENWICH PALACE, London, England
LIFTED AWAY **32 coats** of paint from
ornate plaster ceilings!

CAPITOL BUILDING, Indianapolis, IN
LIFTED AWAY **23 coats** of paint
in a single application!

BRITISH MUSEUM, London, England
LIFTED AWAY **100 years** of paint from
the museum's iron railings,
in a single application!

**PLUS...Texas A&M University, The
American Hotel in Amsterdam, Holland,
Royal Hospital, Chelsea, England, and other
landmarks across the nation, and worldwide!**
*The Pros no longer chip, scrape, spray,
or sand...why should you?*

MAIL NO RISK COUPON TODAY

DUMOND CHEMICALS, DEPT. OHJ-03, 1501 BROADWAY, NY, NY 10036 Please RUSH the quantity of "PEEL-AWAY" (in commercial pre-mixed formula) checked below. If I am not completely satisfied, I may return for a full refund (less postage and handling, of course).

- ☐ Regular Size (1/2 Gallon) only \$14.95 plus \$5 postage & handling.
- ☐ Homeowner Size (1 Gallon) only \$22.95 plus \$7 postage & handling. **YOU SAVE \$9.00!**
- ☐ Handyman's Super 5 Gallons Size only \$79.50 plus \$20 postage & handling. **YOU SAVE \$80.00!**
- ☐ PEEL-AWAY NATURAL (For surfaces NOT to be painted after stripping. use if you want a clear finish without paint.) 1Gallon only \$49.95 plus \$ 5 postage & handling.
- ☐ SPECIAL PEEL-AWAY NATURAL. 2 Gallons only \$89.00 plus \$ 10 postage & handling. **YOU SAVE \$10.00!**

Amount Enc. \$ (NY residents add sales tax) No C.O.D.'s please.

NAME _____

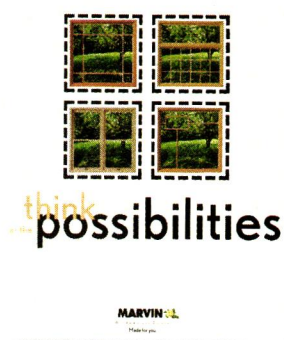
ADDRESS _____

CITY _____

STATE _____

ZIP _____

Free dream analysis.



If you've been thinking about windows for your home, our new full-color brochure is for you. It features everything from gliders and Casemasters to our revolutionary new Clad Ultimate Double Hung. You'll also learn about the many glazing, hardware, finish, and energy saving options we offer that let you create windows that are uniquely your own.

For a free brochure,
call 1-800-268-7644.

(Canada, 1-800-263-6161) www.marvin.com

MARVIN 
Windows and Doors
Made for you.

6800101A

Circle no. 232

AWARD-WINNING HISTORIC WALLPAPER REPRODUCTIONS

An extensive collection of patterns accurately reproduced from historic documents, is available through our on-line catalogue at:

www.carterandco.com

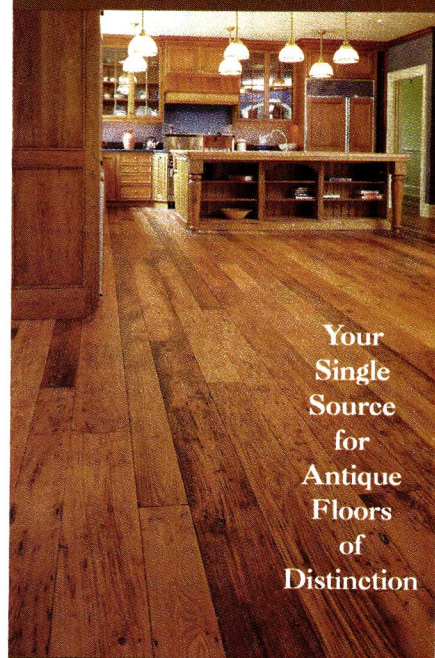


CARTER & COMPANY/ MT. DIABLO HANDPRINTS

451 Ryder Street
Vallejo, CA 94590
samples@carterandco.com
(707)554-2682 fax:(707)554-2491

Circle no. 531

CHESTNUT SPECIALISTS, Inc.



Your
Single
Source
for
Antique
Floors
of
Distinction

Wideboard & Plank Antique Flooring
Remilled From Hand Selected Antique
Lumber. Large Inventory of Chestnut,
Oak, and Pine.

For Information Call Dave Wasley
860-283-4209

Circle no. 132

TIMES



ALBANY Spiral Staircase

- Intricate Victorian design
- Modular components in a 4 ft. diameter
- Rugged cast iron construction
- Brass or steel handrail
- Easy assembly
- Send \$3 for complete catalogue featuring this and other staircases

- CUSTOM METAL FABRICATION
- HISTORIC PRESSED METAL ORNAMENT
- CURTAINS UP™ DRAPERY ACCESSORIES

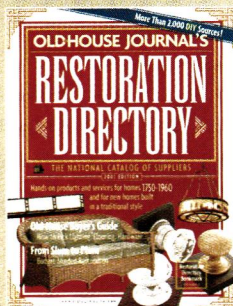
90 TYCOS DRIVE
TORONTO, ONTARIO M6B 1V9
TEL: 1-800-461-0060
TEL: (416) 780-1707
FAX: (416) 780-1814
e-mail: info@steptoewife.com
www.steptoewife.com



STEPTOE & WIFE
ANTIQUES LTD.

ARCHITECTURAL RESTORATION PRODUCTS

An **OLD HOUSE** is being restored,
a **New House** is being built
in a **Traditional Style**, you need the
**2001 OLDHOUSE JOURNAL'S
Restoration Directory**



2001 Edition Now On Sale

Where To Find Hard-To-Find Stuff

**OLDHOUSE
JOURNAL**



A Hanley-Wood LLC Publication



- Cast bronze or aluminum
- All sizes from medallion to road signs
- Graphics and logos
- Discounts to Historical Societies
- Time Capsules

- Custom wording from \$78
- National Register plaques from \$35

Rush service available • Satisfaction Guaranteed

FREE BROCHURE

Call: 800-874-7848

Fax: 703-758-2574

Erie e-mail:

erielc@aol.com

Visit our Internet site at

http://www.erielandmark.com



ERIE LANDMARK COMPANY

14110 Sullyfield Circle, Suite 100

Chantilly, VA 20151-1681

Circle no. 149

Save Up To 50% On Home Heating Cost

And never have to buy fuel—
wood, oil, gas, kerosene—
ever again.

Hydro-Sil is a unique room heating system that can **save you hundreds of dollars** in home heating costs.

It can replace or supplement your electric heat, oil or gas furnace, kerosene heaters and woodstoves. Hydro-Sil is designed for whole house or individual room comfort. Hydro-Sil heating works like this: inside the heater case is a sealed copper tube filled with a harmless silicone fluid that will never spill, leak, boil or freeze. **It's permanent. You'll never run out.** Running through the liquid is a **variable watt** hydroelectric element that is **only** being supplied a **proportional** amount of power on an **as-needed basis**. When the thermostat is turned on, the silicone liquid is quickly heated, and with its heat retention qualities, continues to heat after the Hydro element shuts off, **saving you money**. This exclusive technology greatly increases energy savings and comfort.

www.hydrosil.com

You Can Do Something About the High Cost of Winter Heating

Order by Phone or Mail, Credit Card or Check • MasterCard-VISA

CREDIT ORDERS ACCT. # _____

1-800-627-9276

EXP. DATE _____

MAIL TO: HYDRO-SIL, PO BOX 662, FORT MILL, SC 29715

Your benefits with Hydro-Sil

- Slash Heating Cost - Up to 50%
- Lifetime Warranty - no service calls
- Safe for children & furniture
- Clean - no fumes - no smoke
- U.L. Listed
- Preamsembled - ready to use
- No furnaces - ducts - chimney
- Portable (110V) or permanent (220V)
- Whole House Heating or Single Room
- Room by Room Control

Save with Hydro-Sil: Many families are benefitting — you can too!

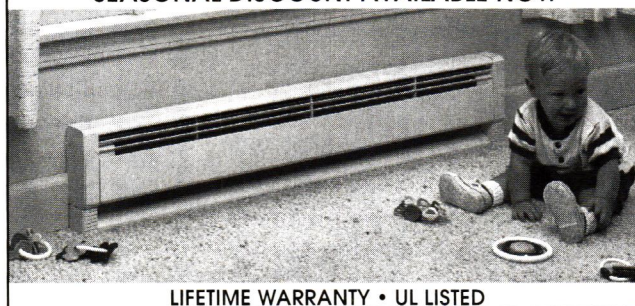
• **Consumer Digest:** Buying Guide rates Hydro-Sil "Best Buy" for heating— a product that offers outstanding value for its price.

• **Grant M. (Accountant):** "With no insulation or storm windows, I saved 51% when changing from oil to Hydro-Sil."

• **William C. (General Contractor):** "I replaced electric heat with Hydro-Sil. I am pleased to report that your units have provided comfort, safety, and considerable savings on electricity."

• **R. Hanson:** "I cannot begin to tell you how pleased I am with Hydro-Sil. First time in 25 years our electric bill was reduced - **Saved \$635 - over 40%!**"

SEASONAL DISCOUNT AVAILABLE NOW



LIFETIME WARRANTY • UL LISTED

**ORDER TODAY AND SAVE • TWO MODELS TO CHOOSE FROM
PORTABLE 110 VOLT- PERMANENT 220 VOLT**

220 Volt Permanent	Approx. Area To Heat	Discount Price	Quantity
8' 2000 watts	300 sq. ft.	\$259	
6' 1500 watts	250 sq. ft.	\$239	
5' 1250 watts	200 sq. ft.	\$219	
4' 1000 watts	150 sq. ft.	\$199	
3' 750 watts	100 sq. ft.	\$179	
2' 500 watts	75 sq. ft.	\$169	
Thermostats - CALL for options			
Portables (110V) Thermostat Included			
5' Hydro-Max 750-1500 watts		\$219	
4' Convector - Dual watt		\$179	
3' 750 watts - Silicone		\$169	
\$15.00 shipping per heater		\$	
Total Amount		\$	

NAME _____

ADDRESS _____

PHONE _____

Circle no. 250

OLD HOUSE ADVISOR

STANFORD STANDARDS

Lore has it that our 1895 house was designed by Stanford White, the legendary partner at McKim, Mead & White and notorious murder victim. Though we have no definitive proof of the architect, there's a curious inscribed plaque under one window. Since *weiss* translates to white, do you think there's a connection?

—AMY AND BILL DAHN
SO. ORANGE, N.J.

THOUGH STANFORD WHITE was a prolific designer and remodeler of houses—in addition to being the talent behind masterpieces like the Villard Houses and the original Madison Square Garden in Manhattan—chances are the plaque does not support any connection to your house. While *weiss* is German for white, the rest of the inscription does not appear to make sense in this context. Moreover, a cement-plaster coat-of-arms would be a surprisingly mundane hallmark for an architect who specified the finest imported marbles for his projects and enjoyed a lavish personal lifestyle.

What then is your plaque? Hard to say, but more likely it is a bit of personal vanity by the builder of your house or a major contractor—perhaps the plasterer. Finding such signatures and messages hidden under wallpaper and behind mouldings are part of the fun of old-house ownership and may help establish the history of the building. Judging by the sophisticated Queen Anne-style details, your house may well be architect designed—and by someone named on your plaque. Weiss does

*Weiss him
New York
1895*



This house shows an eclectic mix of Victorian bay windows and porches with Italian Renaissance-style brick masonry—not surprising for the end of the 19th century. An inscribed panel (inset) decorates the underside of one bay.

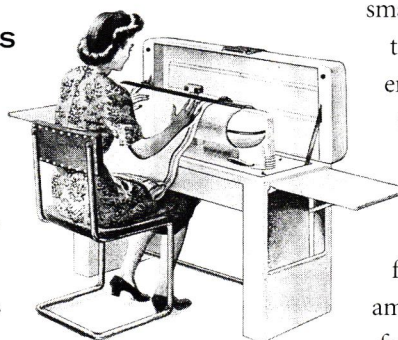
not show up in any listing of likely architects working in the New York area at that time (*Biographical Dictionary of American Architects* is one source), but this is not surprising. In the late 19th century formal training and recognition of architects was still a new idea, and your designer's name may not have made it into records compiled years after he ceased to practice.

PRESSING QUESTIONS

Could you give me some information on this ironer? It was given to me in beautiful shape, but I wonder how old it is?

—WANDA VOYLES
NEWPORT NEWS, VA.

THE PARTICULAR Hotpoint Rotary ironer you ask about is electrically powered and appears to date to sometime in the late 1950s. Hotpoint, a venerable brand name




Roller ironers with one open end could iron clothes as well as flat work and were made by at least six manufacturers by the 1930s.

in appliances, had its beginnings in the 1920s and is a division of General Electric. The idea of a mechanical ironing appliance to help with home laundry, however, is nearly a century old. As early as 1910, the American Ironing Machine Co. was taking the concept of a commercial laundry mangle to the residential level when it advertised that the Simplex Ironer would do five hours of “back-breaking labor” in less than

one hour. The ironer, which was turned by a hand crank or a small washing machine motor, was heated with an open flame fueled by either household gas or gasoline.

The real flush of modern domestic labor-saving appliances came in the late 1920s as electric power became common and new opportunities for women brought an end to the era of live-in laundry maids. Helped by

smaller, more powerful electric motors, manufacturers came to the rescue of the lady of the house with scores of new appliances marketed to be the new “electric servants.” Ironers for “families with large amounts of flatwork” were featured players in the laundry lineup, along with washing machines and clothes dryers. By the late 1930s, the rollers were electrically powered,

but the heat could come from electricity or gas and gasoline as it did earlier. 

Baths From The Past Collection

Creative custom design solutions for the bath & kitchen
BUY DIRECT FROM THE MANUFACTURER AND SAVE!

Special Pricing on
Bathtubs shown in this ad \$650 to \$850 (fiberglass)
Many More Great Deals and Designs !

Comfortable Oversize Claw Foot,
 Double End Tubs and Skirt Tubs

All Brass Heavy Duty Shower Systems
CREATE YOUR OWN!

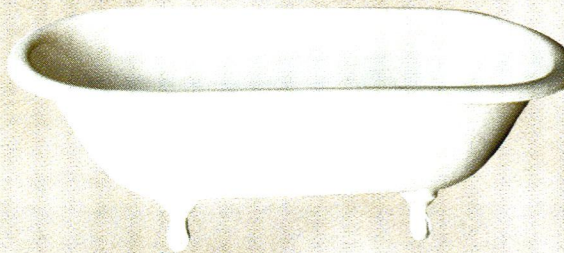
Toilet/Tank Systems to Give
 Any Bath an Antique Look



JT 17

JT 171

JT 3



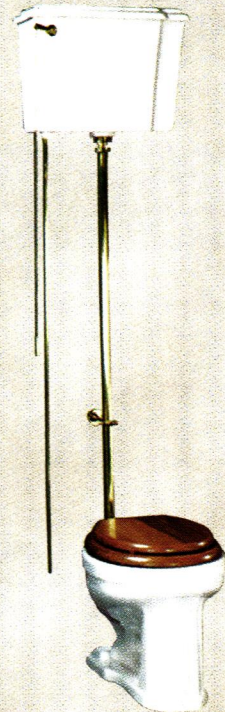
Double End Tub 66" x 30"



Slipper tub 66" x 30"



Claw foot tub 60" x 30" & 66" x 30"



2-412

Classic Designs Faucets, choice of handle & trim. Made to size for old & new marble tops.



V-166



JT-33



JT-30



JT-14 B



JT-9 L



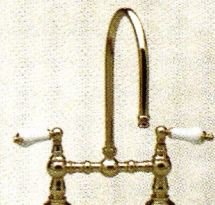
JT-31 X



JT-10



JP-W 199 K



JP-194 K G L P

To order our FREE 52-page color catalog and for more information call

1-800-697-3871 or fax 1-781-871-8533

Baths From The Past .83 East Water street, Rockland, Ma 02370

Circle no. 259



OLD-HOUSE JOURNAL

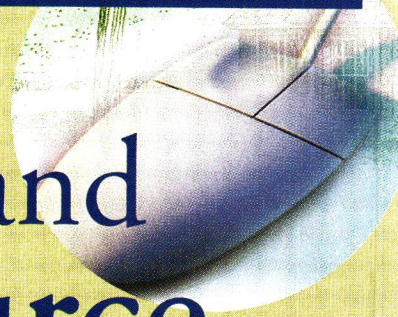
www.oldhousejournal.com

The Restoration and Renovation Resource for Old-House Owners

Solutions to old-house problems

Sources for old-house
products & services

The Community of old-house lovers



Hanley-Wood, LLC

Custom Shutters

Interior and Exterior
Wholesale to the Public

2 1/2" Moveable louver,
raised panel and fixed louver
shutters. Custom finished or
unfinished. Complete selection
of hardware.

\$2.00 brochure

Shutter Depot

RT.2 Box 157
GREENVILLE, GA 30222
706 • 672 • 1214

www.shutterdepot.com



Fine American Lighting Real American Value From Lighting by Hammerworks



Lanterns, Sconces,
Chandeliers, and
Hand-Forged Hardware

Send \$5 for two full
color catalogs and
discover how you can enjoy
the beauty and quality of our
Colonial lighting in your
home to:

Lighting by Hammerworks

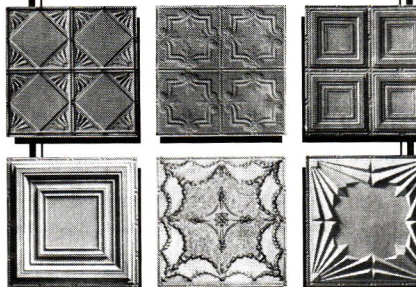
6 Freemont Street, Dept. OHJ, Worcester, MA 01603, 508-755-3434
118 Main Street, Dept. OHJ, Meredith, NH 603-279-7352
<http://www.hammerworks.com>



the **TIN MAN**

PRESSED-TIN CEILING & CORNICES

6", 12" & 24" PATTERNS
COMMERCIAL • RESIDENTIAL



Adds elegance to any room

SEND \$1 FOR A BROCHURE

**CHELSEA
DECORATIVE METAL CO.**

9603 MOONLIGHT DR., DEPT OH1
HOUSTON, TEXAS 77096

713/721-9200

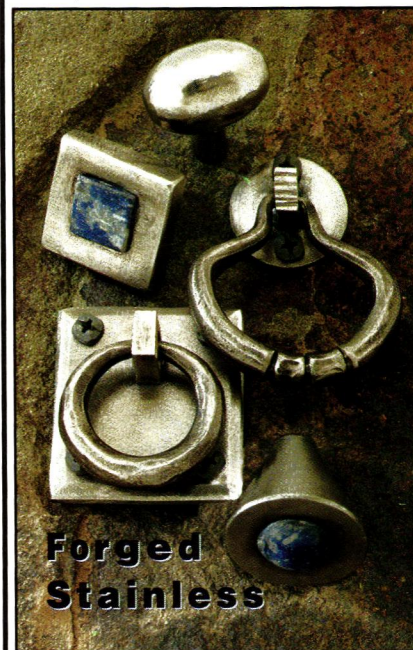
FAX 713/776-8661

<http://thetinman.com>

Circle no. 131



Forged
Iron



**Forged
Stainless**

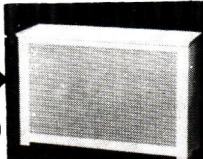
Exclusively by **ACORN**

P.O. Box 31
Mansfield, MA 02048
800-835-0121

Circle no. 112

ALL STEEL RADIATOR ENCLOSURES

FOR HOMES, OFFICES, CHURCHES, INSTITUTIONS



FROM \$24.10

BUY FACTORY DIRECT & SAVE • EASY TO ASSEMBLE
MANY STYLES & COLORS • BAKED ENAMEL FINISH
Send \$1.00 for Brochures. Refundable with Order.

MONARCH Dept OHJ

P.O. Box 326, 111 Kero Rd.

Carlstadt, N.J. 07072 (201) 507-5551

CLASSIC GUTTER SYSTEMS

For all your half-round needs

- Up to 26' shipped nationally
- Buy direct
- Heavy duty copper & aluminum

5 styles of
cast fascia
brackets



Ph. (616) 382-2700 • Fax. (616) 343-3141

P.O. Box 2319 • Kalamazoo, MI 49003

www.classicgutters.com

Circle no. 135

TIN ROOF RESTORATION

The Space Age Solution
for Weatherproofing
Historic Roofs



Acrymax® Coatings and
Systems help you restore,
beautify, and protect a
variety of historic roof
types, as well as masonry
and stucco walls. A long-
lasting, environmentally
safer alternative to other

systems. Acrymax systems are easy to apply and
come in a variety of colors. Call today for a free
brochure on the Acrylic system tough enough
to stop leaks cold.

**PRESERVATION
PRODUCTS, INC.**

Protecting America's heritage,
one landmark at a time.

1-800-553-0523

221 Brooke Street • Media, PA 19063

610-565-5755 • Fax: 610-891-0834

www.preservationproducts.com

Circle no. 185

ANTIQUE HEART PINE FLOORING

T&G Planks up to 11" wide

EXPOSED BEAMS

Dry ♦ Aged - Superb
Heart Pine Stairparts

ANTIQUE HEART CYPRESS

Custom Milling ♦ Doors
Paneling ♦ Shutters

AMERICAN HARDWOOD FLOORING

Beautiful
Unfinished or Prefinished
Naildown or Gluedown

For a Free Brochure, call:
(225) 567-1155

www.albanywoodworks.com

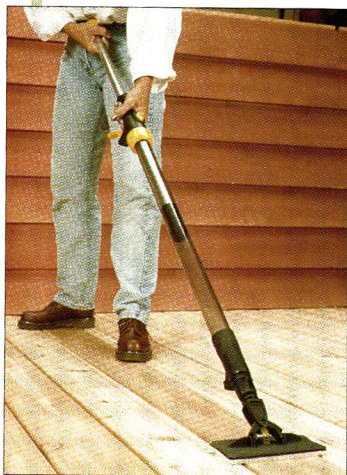
Albany Woodworks

P.O. BOX 729, ALBANY, LA 70711

Circle no. 115

OLD HOUSE PRODUCTS

LESS STAIN STRAIN



AN OLD RAG is fine for applying stain if you're refinishing a short stretch of hand-rail or a child's rocking chair. But for a parlor floor or other mammoth job, you

might want to get off your knees and try the Stain Mate. One filling of the tube handle, which can be extended from 45" to 67", will hold enough stain to cover 70 square feet. You can release the stain into the applicator pad with a trigger or by pushing the stain through the handle. The Stain Mate retails for \$25. Contact Wagner Spray Tech Corporation, (888) 925-6244, www.wagnerspraytech.com. Circle no. 28 on the resource card.

PADS FOR YOUR POTS

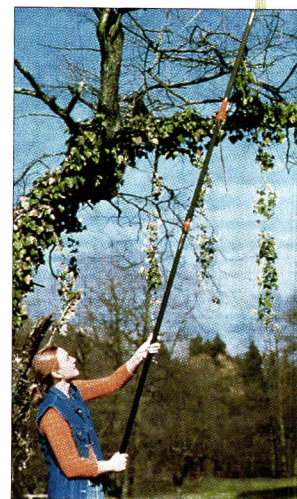
IF YOU HAVE a vintage hardwood floor (like the ones we wrote about in this issue), you don't want to risk its being damaged by your houseplants. These machine-washable plant coasters absorb eight times their weight in water and have a non-abrasive water-proof backing. You can use them to protect plant stands or other treasured furniture and they'll prevent mildew on carpets as well. Sizes from 6" to 14" are priced from \$1.49 to \$3.99. You can also buy coasters designed to fit under Christmas tree stands. (We hope we're not too late!) For more information contact RPM, Inc., (800) 872-8201, www.drymate.com.

Circle no. 29 on the resource card.



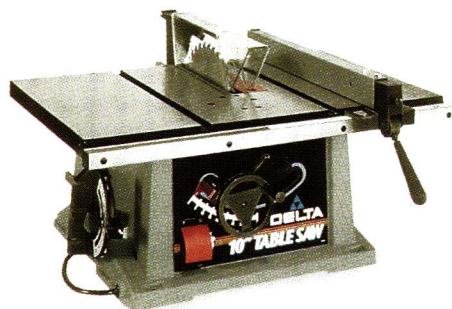
REALLY REACHING

IF WE'RE LUCKY, our old houses also have old trees. And like those homes, they tend to need special attention. Late winter, when your trees are still dormant, is the time to prune off branches that are dead, broken, rubbing against other branches, or just making your tree look misshapen. The Telescoping Pruning Stik from Fiskars weighs only 3 pounds but extends to 13'. The blade will cut through branches 1 1/4" thick and is activated by pulling a sliding handle or ball grip at the end of the pole. A saw blade can be attached for larger branches. The suggested price is \$89.99. For more information contact Fiskars at (800) 500-4849, www.fiskars.com. Circle no. 30 on the resource card.



A CUT ABOVE

LIKE THE MOBILITY of a table saw but need more power? Delta's new model 36-560 is a 10" table saw with a 15-amp, 4,750-rpm motor. Standard features include a feed-out support for extra long



pieces, a rip fence that can be moved to either side of the table, and an extension wing for making 20" rips to the right of the blade. An adjustable miter gauge stores easily on the unit and the bevel adjust locks into either 45-degree or 90-degree angles. This model sells for about \$199; an even more portable model, the 36-550 (which lacks the out-feed support and extension wing) sells for about \$169. For more information contact Delta Machinery, (901) 660-9647. Circle no. 31 on the resource card.

PERTINENT SPECS—DELTA TABLE SAW

- Solid aluminum table is 17 1/2" by 34"
- Miter gauge is t-slotted for extra support with stops at 90 degrees and 45 degrees left and right
- Cuts a maximum of 3" at 90 degrees, 2 1/2" at 45 degrees
- Free-standing guard locks into position for easier blade changes
- Heavy duty splitter helps prevent kickback

Step up to a spiral stair that's right for you.

Metal Spirals

from
\$425

Features:

- Steel Construction
- Landing & Rails
- All Required Hardware
- Install Manual & Video

Options:

- Any Floor-to-Floor Height
- Diameters 3'6" to 7'0"
- BOCA/UBC Code Models
- Custom Welded Units
- Aluminum Construction
- Hot Dipped Galvanizing
- Many More Available --

Oak Spirals

from
\$1575

Features:

- All Red Oak Construction
- Landing & Rails
- All Required Hardware
- Install Manual & Video

Options:

- Any Floor-to-Floor Height
- Diameters 4'0" to 6'0"
- BOCA/UBC Code Models
- Turned Spindles
- Solid Oak Handrails
- Finger Groove Rails
- Many More Available --

Victorian One®

from
\$3300

Features:

- Cast Aluminum Construction
- Landing & Rails
- All Required Hardware
- Installation Manual

Options:

- Any Floor-to-Floor Height
- Diameters 4'0" to 6'0"
- BOCA/UBC Code Models
- Brass Handrails
- Cast Scroll Tread Ends
- "Antique" Baked Finish
- Many More Available --

Installation
Video featuring
"The Furniture Guys"
now included with all
Metal & Oak Spiral
Stair Kits.

The best selection, quality, and prices!

Since 1931, The Iron Shop has enjoyed a reputation for outstanding design and fabrication of custom built spiral stairs. Today, we utilize computer-aided technology throughout our production process to guarantee that each stair meets exacting standards—successfully mixing state-of-the-art manufacturing with old-world quality.

Offering the largest selection, highest quality, and lowest prices in spiral stairs—we make sure that you get the right spiral to meet your needs. This has made The Iron Shop the leading

manufacturer of spiral stair kits, with over one hundred thousand satisfied customers worldwide. And our spirals are still made with pride in the U.S.A.

Call for the FREE color Catalog & Price List:

1-800-523-7427 Ask for Ext. OHJ01

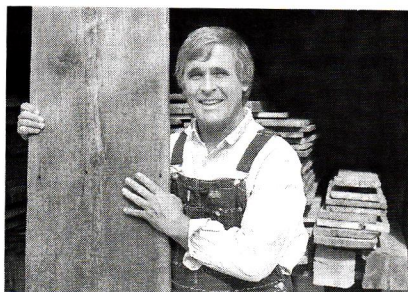
or visit our Web Site at www.TheIronShop.com

Main Plant & Showroom: Dept. OHJ01, P.O. Box 547, 400 Reed Road, Broomall, PA 19008
Showrooms / Warehouses: Ontario, CA • Sarasota, FL • Houston, TX • Chicago, IL • Stamford, CT

THE IRON SHOP®

The Leading Manufacturer of Spiral Stair Kits®

©2000 The Iron Shop



Joe Rizzo, Proprietor Country Road Associates Ltd.

"AUTHENTIC 19th C. BARNWOOD IS MY BUSINESS"

- FLOORING: Chestnut, Pine, Oak & Heart Pine
- Random widths from 3" - 20"
- BARNSIDING: faded red, silver-gray & brown
- HAND-HEWN BEAMS: up to 13" wide, Random Lengths

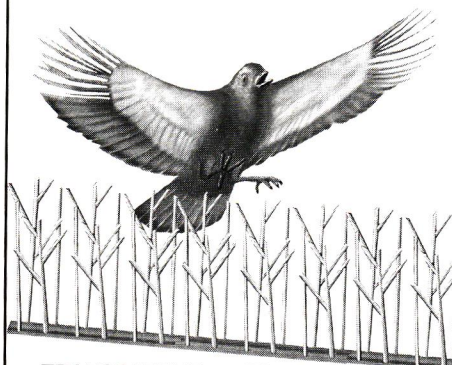
Large quantities available
Deliveries throughout the USA

COUNTRY ROAD ASSOCIATES, LTD.

Open Tues.-Sat. 10 AM - 4 PM
Sun. & Mon. by appointment 914-677-6041
Fax 914-677-6532 www.countryroadassociates.com
We have moved just around the corner to
63 Front Street, Millbrook, NY

Circle no. 139

**Block Pest Birds
from Landing Strips!**
SPIKES[®] NOTHING COMES CLOSE!



- TRANSPARENT • TOUGH
- ECONOMICAL • EASY TO INSTALL
- DENSE • FLEXIBLE
- ENVIRONMENTALLY SAFE

800-662-5021 Get rid of birds, and the mess and diseases they bring. We guarantee we'll solve your bird problem.



300 N. ELIZABETH ST. DEPT. OHJ • WWW.BIRD-X.COM
CHICAGO IL 60607 • 312-BAN-BIRD 312-226-2480 FAX

THE BIRD CONTROL "X-PERTS" SINCE 1964

Circle no. 124

Hardware Restoration
Brass, Bronze, Nickel, Pewter

We are specialists in the restoration of antique metal hardware including doorknobs, backplates, hinges, window pulls and locks, lighting fixtures, and other decorative pieces.



Over 60 years experience in restoring antique metal.

Send us your hardware for free estimate.

**127 GREEN BAY ROAD
WILMETTE, ILLINOIS 60091**

**847.251.0187
FAX 847.251.0281**

Circle no. 114



The Finest in Victorian, Turn-of-Century and Arts & Crafts Lighting

Request our 32-page catalog

ROY ELECTRIC CO., INC.
22 Elm Street, Westfield NJ 07090
(908) 317-4665 FAX (908) 317-4629

Visit our Showroom
Call 800-366-3347

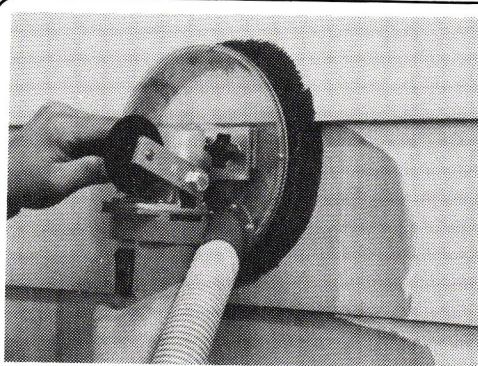
www.westfieldnj.com/roy

Circle no. 192

We Can Solve Your Paint Removal Problems!

PAINT SHAVER[™]

The Most Effective, Efficient and Ecologically Safe Paint Stripping System Available Today for Cracking and Peeling Paint on Shingles and Clapboards

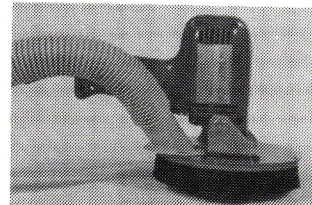


Paint Shaver with Dust Collector Accessory

- Strips one square foot of paint in 15 seconds,
- Retrieves stripped debris into vacuum systems.
Can also be used for lead paint removal.,
- Eliminates the need for chemicals, sandblasting or heat removal.

SANDER VAC[™]

Dust-free sanding for all surfaces indoor and out.



AMERICAN INTERNATIONAL TOOL INDUSTRIES, INC.

129-B Fletcher Ave.
Cranston, Rhode Island 02920
(401) 942-7855

1-800-932-5872

Please visit our website-www.aittool.com

Circle no. 117

Ornament Wars

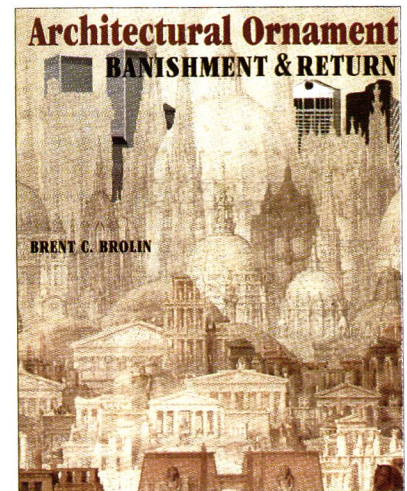
What happened to cause even casual viewers to note the proliferation of boring buildings? A historian explains how modern architects abandoned traditional design, and why the reasons go back not just decades, but centuries.

THE SNAP EXPLANATION for the rapid decline and fall of architectural ornament—especially in the form of applied decoration—goes like this: In the early decades of the 20th century, a few pioneer designers worked to create buildings that expressed the nature of their structure, their function, and the spirit of their own era. Since this modern architecture was supposed to be different than anything built in the past, architects on a wider scale decided to thumb their noses at all traditional styles and conventions, leading to radical departures in building design. Downtowns changed. Ornament vanished, replaced by flat panels of steel and glass. Yet, could any revolution so widespread be so simple? *Architectural Ornament: Banishment & Return*, explains why modern architects delivered only the most recent blow to the long history of building ornamentation, and how it is coming back.

The stripping away of ornament has roots not just in the education of architects, who increasingly thought of themselves as design gods, but in the rise of design theorists and critics in the late 18th century. In this new edition of an earlier book, author Brent C. Brolin writes that, prior to the 20th century, architectural styles had been based on strictly

visual criteria developed from geometric ratios. From the ancient Greeks and Romans, these Pythagorean ratios were passed down to medieval masons. Phidias, sculptor of the Parthenon friezes, and Michelangelo, the final architect of St. Peter's in Rome, were artisans who had come up through a long tradition of apprenticeship and empirical knowledge. So where did Ludwig Mies van der Rohe, Philip Johnson, and Helmut Jahn get the chutzpah to change the 20th-century urban landscape to sheer steel and glass? From 19th century writers and reformers like Immanuel Kant, Friedrich Schiller, Samuel Coleridge, A.W.N. Pugin, and Charles Eastlake, to name a few. It didn't hurt that the Industrial Revolution helped make the no-frills design of bridges and machines enviable, while it gave mass-produced decoration a bad name.

Today, Brolin believes, the pendulum is swinging back. He's tired of the architect who needs to put his stamp on a building, regardless of where it's built, and he believes "a building doesn't have to assault the eye by its appropriateness in order to be considered creative or beautiful." This book explores the interesting connections between big buildings in urban centers and small, functional creations like furniture or fish forks. The author shows us how to see decorative terra cotta or ornamental porch brackets in a new way, not as something "stuck on," but as integral parts of what makes the building pleasing to the eye. —Marylee MacDonald



ARCHITECTURAL ORNAMENT: BANISHMENT & RETURN

BY BRENT C. BROLIN

W.W. Norton & Company, Inc.

500 Fifth Avenue, New York, NY 10110

(212) 790-4323

<http://www.wwnorton.com>

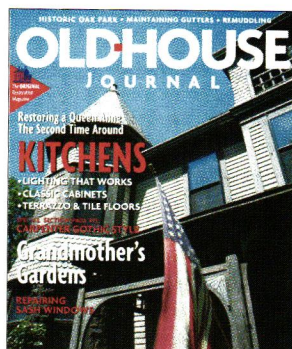
ISBN 0-393-73046-8

\$26.96



RESTORE, RENOVATE AND RENEW YOUR OLD HOUSE.
LET THE OLD-HOUSE EXPERT TEACH YOU HOW.

For over 25 years OLD-HOUSE JOURNAL has been teaching old-house lovers how to restore, renovate and renew America's old houses. Each issue offers encouragement and inspiration with step-by-step, how-to information. You'll also find discussions that will feed the old-house owners' appreciation of architecture and historic house styles.



Let the experts take your renovation projects from start to finish with easy-to-understand instructions and vivid photography.

Subscribe to OLD-HOUSE JOURNAL today, and start renewing your old house, one day at a time. A full year's subscription, six jam packed issues, is \$27. To subscribe, call 1.800.234.3797 and charge to MasterCard or VISA, or visit our web site at www.oldhousejournal.com

OLDHOUSE
JOURNAL

RENEWING AMERICA ONE HOUSE AT A TIME
www.oldhousejournal.com



Copper & Brass Restoration and Protection

XIM Copper DOC®

Unique 3-Step System

Stop The Endless
Cleaning And
Polishing!



Restore Once - Protect Forever!

Porcelain & Tile Refinishing

XIM Tile DOC®

Engineered Finish Holds Up
To **HOT** Water. For Tubs,
Sinks, Showers.

Unique 2-Part Epoxy
Acrylic Blended
Holds Color Longer.



Don't Replace - Just Refinish!
Saves Thousands of \$

See us on the Web at (ximbonder.com)

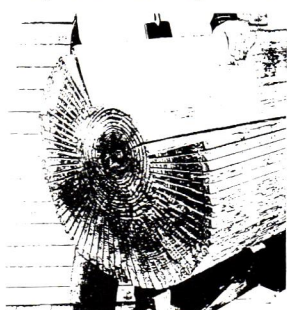
Products available at many local paint
stores or order directly from Top Gun
Distribution (topgundistribution.com)
or call XIM Direct at (800) 262-8469

Circle no. 218



The Ward Quartersawn Clapboard

Authentically Produced
Early American Clapboards



Over 100 years of continuous operation by the
Ward family. Quartersawing produces a verti-
cal grain which eliminates warping and ac-
cepts paint and stain easily for extended life
and beauty. Spruce and pine. Widths from 4-
1/2" to 6-1/2". Pre-staining available.

Ward Clapboard Mill

P.O. Box 1030
Waitsfield, VT 05673

Moretown, Vermont Patten, Maine
(802) 496-3581 (207) 528-2933

Fax 802-496-3294

Circle no. 212

NOW AVAILABLE!

Decorative Metal Ceilings

Original turn-of-the-century patterns

Using eighty year old dies, the W. F. Norman Corporation is once again producing metal plates for the design of ceilings and wall coverings. Their growing popularity stems not only from nostalgia but from their beauty, permanence, fireproofing and economy.

The fullness of the Hi-Art™ line — including center plates, corner plates, border plates, cornice and filler plates — permits classic designs to be produced that are architecturally proportioned for an exact fit.

Write for reproduction copy of 72 page illustrated catalog. Price \$3.

W.F.Norman Corporation

P.O. Box 323 • Nevada, Missouri 64772 • 1-800-641-4038
Fax: 417-667-2708

Circle no. 211

Associate Degree in Building Preservation

Develop your appreciation
for traditional craftsman-
ship, and the built and natural
environments while learning
to apply preservation theory
in real life situations. Get hands-
on restoration training at our
1846 Federal style field lab
house and in our preservation



workshops. Our award-winning
curriculum is a rigorous
examination of theory balanced
by practical applications of
specialized construction and
craft techniques. To learn more,
please contact the Building
Preservation Program for
further information.

BELMONT TECHNICAL COLLEGE

preserve@belmont.cc.oh.us

120 Fox-Shannon Place, St. Clairsville, OH 43950 740/695-9500 ext.4006

Circle no. 122

DON'T PAINT YOUR RADIATORS

Paint drastically reduces the efficiency of steam & hot
water radiators and wood enclosures are poor heat
conductors.

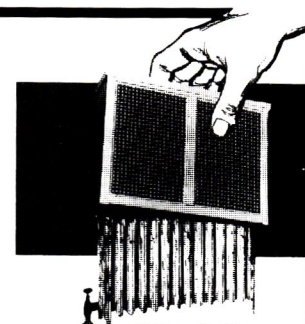
Affordable Ace Radiator Enclosures...

- ◆ Offer durability of steel with baked enamel finish in decorator colors
- ◆ Keep drapes, walls & ceilings clean
- ◆ Project heat out into the room

arsco

Manufacturing Co., Inc.
3564 Blue Rock Road, Cincinnati, Ohio 45247

FREE Estimates
FREE Heat Efficiency Catalog



Write or Phone
1-800-543-7040 Toll-Free
1-513-385-0555 in Ohio (Collect)

Circle no. 120

What is it that makes a
Mountain Lumber floor
SUPERIOR?

THE DIFFERENCE IS IN THE DETAILS

- Consistent grades, remarkably stable
- Reclaimed, not mixed with new wood
- Kiln dried, uniform moisture, no bugs
- Precision millwork, pre-squared ends
- All useable materials, no costly waste
- Historically researched and certified
- Unconditionally guaranteed

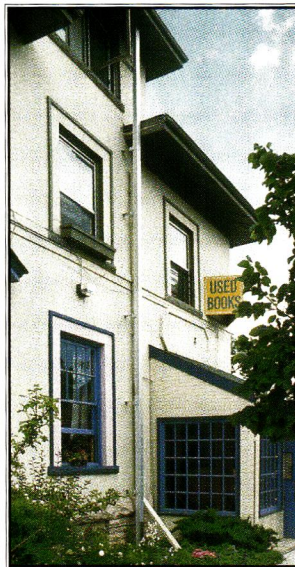
MOUNTAIN LUMBER

Where Every Floor Has A Story To Tell®

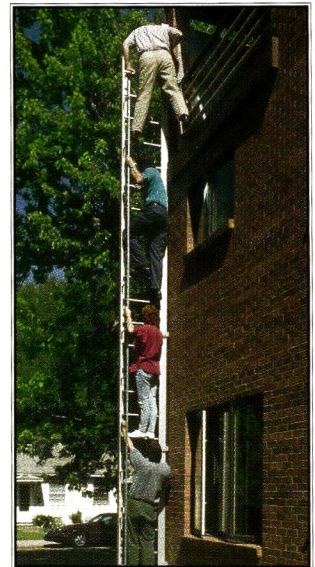
800/445-2671 www.mountainlumber.com

Circle no. 372

JOMY® Safety Products, Inc.



Looks like a drainpipe!



Opens easily!

For burglar-proof egress and escape, JOMY® is the ideal solution for virtually invisible retractable and collapsible ladders, staircases, and balconies of the highest quality, lightest weight, with exceptional strength and durability.

For additional information please contact us at 800-255-2591 or find us at www.jomy.com

Circle no. 358

LOOKING FOR "INVISIBLE" STORM WINDOWS? HERE THEY ARE!

Historic
Property Owners
Renovation Contractors
Commercial Buildings

You will see the energy savings
Not the Storm Windows

Match Any Color
Match Any Shape
Inside or Outside Mounted
Inside or Outside Removable
Screen and Glass
Fixed- Magnetic- Sliding- Lift Out
Unlimited Possibilities

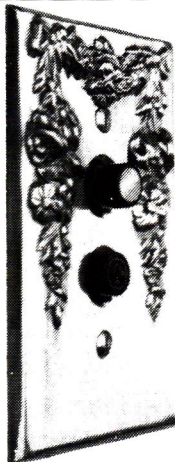
ALLIED WINDOW, INC.

2724 W. McMicken Avenue
Cincinnati, Ohio 45214
(800) 445-5411 (TOLL- FREE)
(513) 559- 1883 (FAX)
www.invisiblestorm.com
"Where custom work is standard"

Circle no. 78

Push Button Light Switches

DIMMER & SINGLE & 3-WAY



**DECORATIVE
& PLAIN
SOLID BRASS
WALL PLATES**

- MOULDING
HOOKS
- EDISON BULBS
- TASSEL KITS
- & MORE

For Catalog Send \$2.00 to:


Classic Accents

13631 Brest St. Box 1181 Dept OH
Brownstown, Twp, MI 48174

(734) 941-8011

e-mail: classic_accents@ameritech.net
www.classicaccents.net

Circle no. 134



Architectural Sheet Metal Ornaments

Now available from the W. F. Norman Corporation, makers of Hi-Art® Steel Ceilings - a complete, 94-year-old line of architectural sheet metal ornamentation including:

• moldings	• balusters	• finials	• marquee	• crestings	• lion heads
• brackets	• urns	• scrolls	• enrichments	• garlands	• conductor heads
• corbels	• capitals	• leaves	• glass pendant	• panel	and fittings
• rosettes	• festoons	• friezes	• frames	• ornaments	

Over 1300 catalog items available in zinc or copper. Custom reproduction inquiries invited.
W. F. Norman also produces building cornices, lintels, capitals, window hoods, finials and weathervanes.

W.F. NORMAN CORP.

Complete catalog \$2.50 • P.O. Box 323, Nevada, MO 64772 • 800-641-4038 • fax 417-667-2708

Circle no. 402





HOME SAVER® CHIMNEY LINERS

**FOR RESTORING GREAT OLD CHIMNEYS
IN GREAT OLD HOMES**

New life for gas, oil, and woodburning chimneys. Our UL Listed, flexible, stainless steel liners are unsurpassed in strength and protection. Call or write for a **free** brochure and the name of an installer in your area. **(800) 437-6685.**

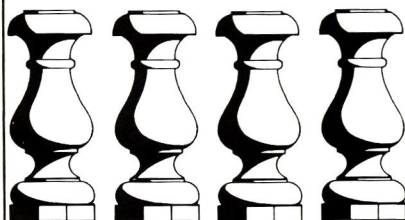
HomeSaver Chimney Liners • P.O. Box 664, Fairfield, IA 52556
www.homesaver.com

CUSTOM WOOD TURNINGS LLC

- Hand rail & fittings
- Balusters
- Newel posts
- Porch posts
- Columns
- Fluting
- Spiral rope twist
- Finials
- Furniture parts

Visa and
Mastercard
accepted

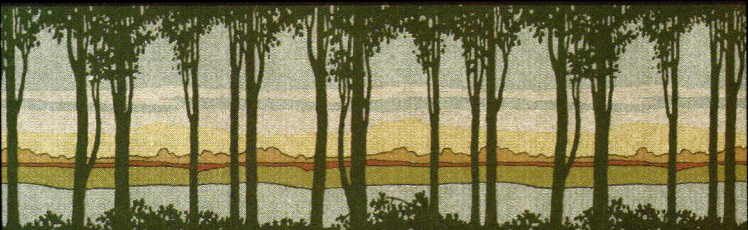
No minimum order
Ship nationwide
Send \$5.50 for catalog



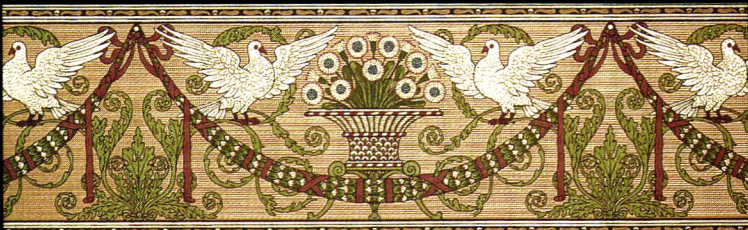
156 Main St., P.O. Box 338, Dept JHO
Ivoryton, CT 06442
(860) 767-3236 Fax (860) 767-3238

Circle no. 142

Hand Printed **ART WALLPAPER**



Birchwood Frieze from our Arts & Crafts Collection



Adelphi Frieze from our Victorian Collection

Available by Mail Order Complete Catalog: \$12.00

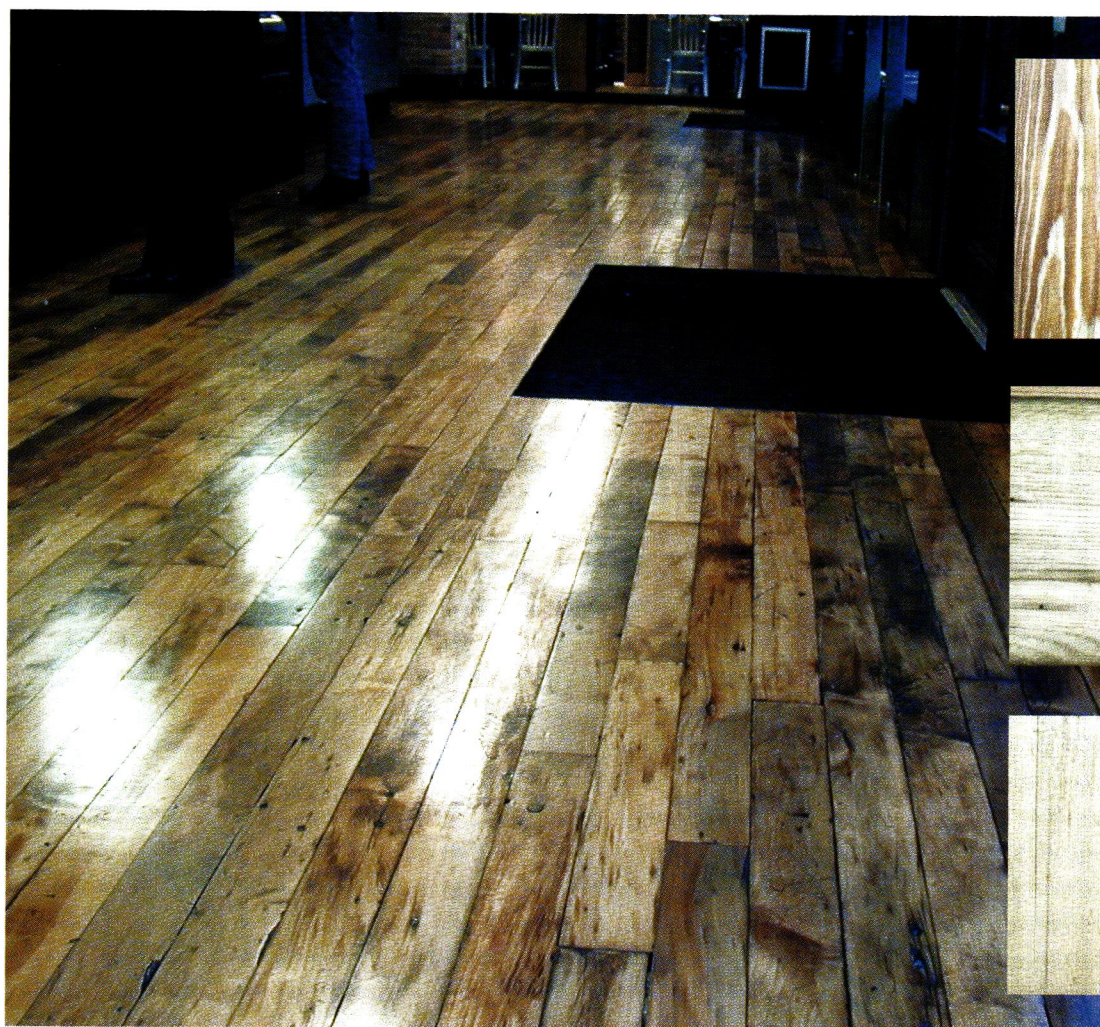
BRADBURY & BRADBURY

P.O. Box 155-C3 Benicia, Ca. 94510 (707) 746-1900 bradbury.com

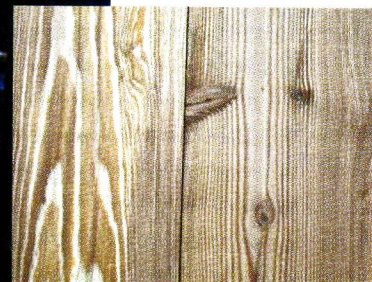
Circle no. 125

Olde Good Things

The Place of the Architecturologists



Heart Pine



Chestnut



Hemlock



Olde Good Things has been selling and installing antique and reclaimed wood flooring through a sister company in the New York City area for fifteen years. More than a dozen Kenneth Cole shoe stores from New England through Washington, D.C. have our antique flooring, as well as dozens of other commercial and residential spaces, including the New York City Back above. We have antique oak, heart pine, white pine, yellow pine, chestnut, hemlock, etc. Email or call for more information.

WAREHOUSE - OPEN DAILY - 9:00am-6:00pm COME FIND WHAT YOU ARE LOOKING FOR!!

NATIONAL WAREHOUSE: 400 Gilligan Street, Scranton, PA 18508 - Tel (570) 341-7668 Fax (570) 341-8101

124 West 24th St, NY, NY 10011 - Tel (212) 989-8401- Fax (212) 463-8005

400 Atlantic Avenue, Brooklyn, NY 11217 - Tel (718) 935-9742 - Fax (718) 935-9867

www.oldegoodthings.com or email: info@oldegoodthings.com

Circle no. 384

For God did not send His Son into the world that He might judge the world, but that the world might be saved through Him. John 3 : 17



Sharon Wells

Low-Key Key West

Key West, the southernmost spot in the United States, is famous for margaritas, lime pie, and colorful Caribbean-flavored street festivals. Yet this low-lying city derives much of its relaxing ambiance from a rich architectural heritage that extends far beyond its best-known structure, the atypical Moorish-influenced Hemingway house.

Built on a coral and limestone island only four miles long and a mile and a half wide, Key West has just some 30,000 residents yet more than 3,000 historic structures and more preservation groups than Miami. The island's limited size makes for easy sightseeing by foot, on rented bicycles or gas-powered scooters, although you can also get around by trolley or bus.

In the early 19th century, travelers from the primitive, fortified port of St. Augustine needed a week's passage through dangerous straits to reach this isle. Cuba, however, was only a day from Key West and many of its early settlers originated there or in the Bahamas. By the 1850s, more than 100 square-

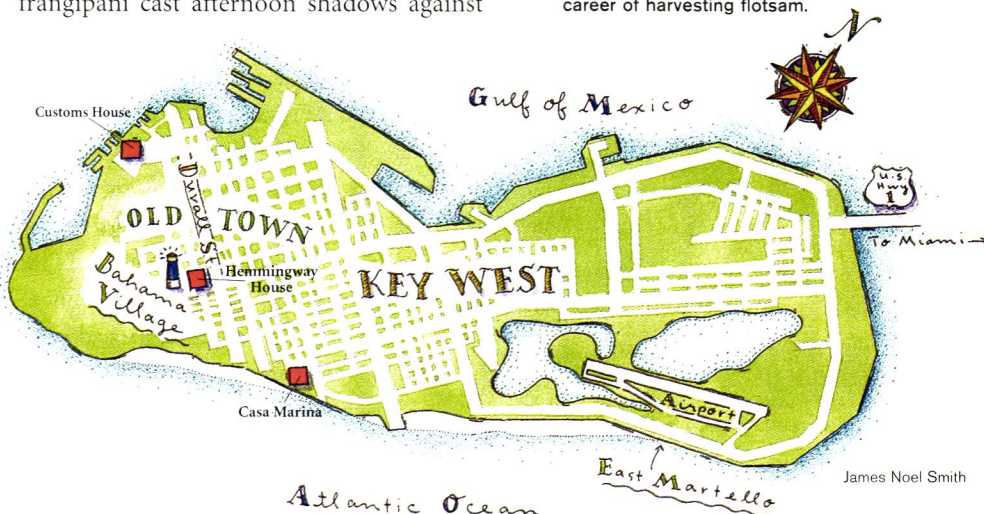
rigged vessels were passing the island each day and the primary industry became "wrecking," or salvaging the contents of ships trapped on its treacherous reefs.

Although the practice could be lucrative, Key West's early pioneer homes tended to be simple structures with clean lines. Classical Revival was the most popular style and many mid-century houses of other designs sport Classical Revival details. Visitors can still see this early architecture in the city's Old Town, where colorful jacaranda and frangipani cast afternoon shadows against

This tiny, laid-back island is a giant when it comes to historic structures.

BY DIANA JARVIS GODWIN

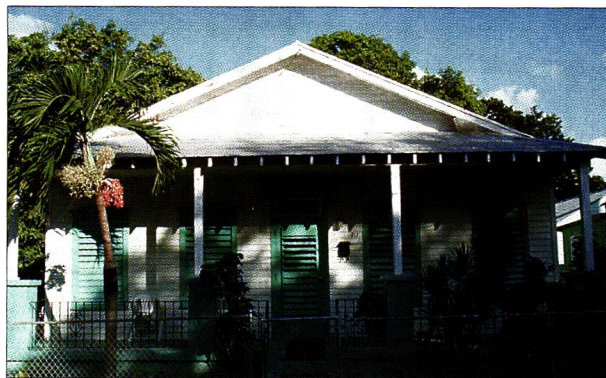
The Key West Lighthouse (above), in use until 1969, could be seen for 11 nautical miles. Reefs around the island are so treacherous that early settlers made a career of harvesting flotsam.



James Noel Smith

HISTORIC PLACES

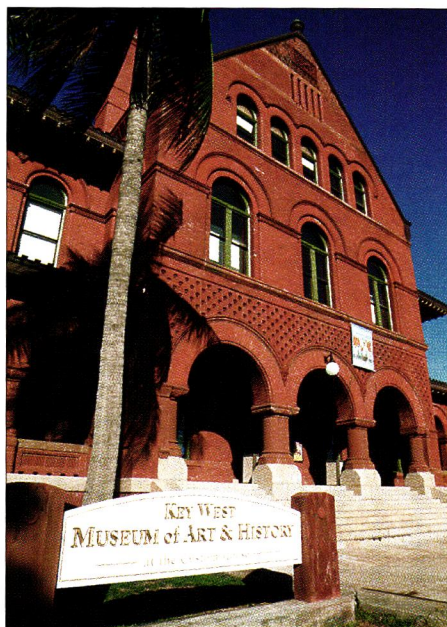
Shuttered windows and full porches (right) mark the island's Conch Houses. Key West is full of historic bed-and-breakfasts like the Treetop Inn (below), a Classical Revival home built at the turn of the century by a cigar manufacturer.



Photos this page by Sharon Wells



The stone construction of the Hemingway House is a rarity on Key West.



This port city's Customs House was recently treated to an award-winning restoration.

wooden porches. A fine example is the 1860 Knowles House (1004 Eaton). Owned for 120 years by the Knowles family, Bahamian planters turned sponge gatherers and restaurateurs, it's now a high-end bed and breakfast.

The late 19th century saw the introduction of ornaments such as gingerbread woodwork and decorative wrought-iron. Queen Anne residences with fancy bargeboards and scroll-sawn brackets appeared on the scene. The ornate Roberts House (313 William) sports a tower and double veranda, while the Harris House (1400 Duval) has more elegant classical lines.

Then in 1886 fire destroyed half of Old Town. Wooden shingles gave way to fire-proof stamped-metal sheets, and homes were rebuilt with the balloon framing that used

nails and light lumber. When Henry Flagler completed his railroad to Key West in 1912, he paved the way for prefabricated bungalows. Mediterranean Revival architecture became popular during the 1920s, leading to the construction of the exotic 1920 Cuban Club (1106 Duval) and the imposing 1924 San Carlos Opera House (516 Duval).

Visitors who venture off boisterous Duval Street, with its souvenir shops and seafood restaurants, will find examples on its lesser known byways of two signature architectural styles: the Conch House and the Cigarmaker's House.

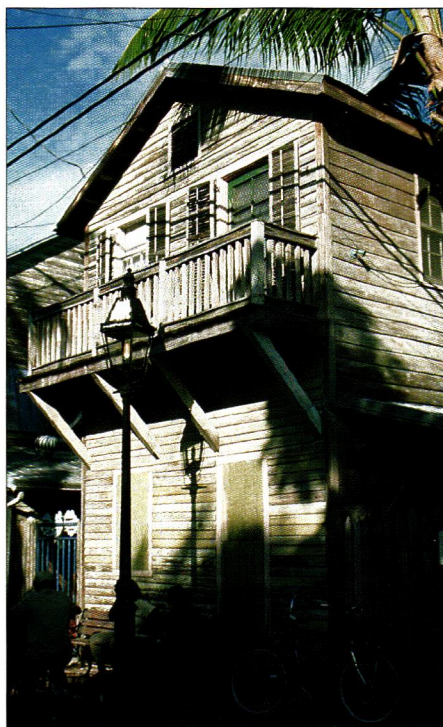
A lilting accent borne of mixed backgrounds marks many of Key West's "Conchs," as old time families call themselves. Conch Houses took several forms, from the camel-back rooflines of the Sawtooth (with two



Randy Batista/Courtesy of Goodwin Heart Pine Co.

conjoined side gables) to the famous Conch Eyebrow, a story-and-a-half structure with windows perched high on its front façade. The identifying features were inspired by the tropical climate, taking advantage of sea breezes and shade to modify the interior temperature. They included a steep gable roof to shed rain, shuttered windows, and a generous porch across the entire façade of each story. Chimneys weren't needed.

The modest Cigarmaker's Houses are largely associated with 19th-century Cuban families, who fled the political unrest of the revolt against Spain in 1868 and found work in Key West either fishing or making cigars. These are small, front-gabled wooden houses with a full, three-bay front porch, similar to the Shotgun Cottages built for workers throughout the South.



Diana Jarvis Godwin

Key West's famous Goombay street festival is held each October in Bahama Village, a cozy shopping district with clean streets and colorful wares that extends southwest from Duval Street. Many unusual and distinctive buildings have been preserved in this historical black neighborhood.

The village includes what may be Key West's biggest tourist attraction, the Hemingway Home and Museum (907 Whitehead Street). Once home to legendary novelist Ernest Hemingway and his second wife, Pauline, this elegant, shuttered two-storey house is open to the public as a museum. A rare limestone block structure now covered with stucco, it's graced with Palladian windows, a mansard roof, and cast-iron verandas reminiscent of New Orleans. The gardens are populated by six-toed felines said to be descended from of the writer's own pets.

The recent restoration of the Key West Lighthouse and Keeper's Quarters, across the street at 938 Whitehead Street, won awards from the Florida Trust for Historic Preservation and the Association for State and Local History. The shaded envi-



Diana Jarvis Godwin

You can rent a bike to ride past shops and homes in Bahama Village (left) or stroll past rows of the modest cottages known as Cigarmakers' Houses (above).

Historic Lodging KEYWEST

You can find more information and even take virtual tours of many accommodations at www.keywest.com. Note that room rates can double in season (winter) and during festivals.

CUBAN CLUB SUITES

1102-A Duval St., (800) 432-4849. Built in 1917 as a club for cigar makers and their families, now offering one- and two-bedroom suites.

HOLIDAY INN LA CONCHA

430 Duval St., (800) 745-2191. Tennessee Williams finished *A Streetcar Named Desire* in this 1925 hotel, restored in 1986, with 150 rooms and 19 suites.

KEY LIME INN

725 Truman Ave., (800) 549-4430. "Grand Bahama"-style 1854 estate two blocks from Duval is now a 37-room hotel with cottages and cabana rooms.

LA MER HOTEL AND DEWEY HOUSE

504 South St., (305) 296-5611. City's only beachside bed and breakfast includes the Victorian home of philosopher and educator John Dewey.

MERLINN INN

811 Simonton St., (800) 642-4753. A 1930s bordello now a bed and breakfast.

KNOWLES HOUSE

1004 Eaton St., (305) 296-2093. Pre-Civil War conch house now a bed-and-breakfast.

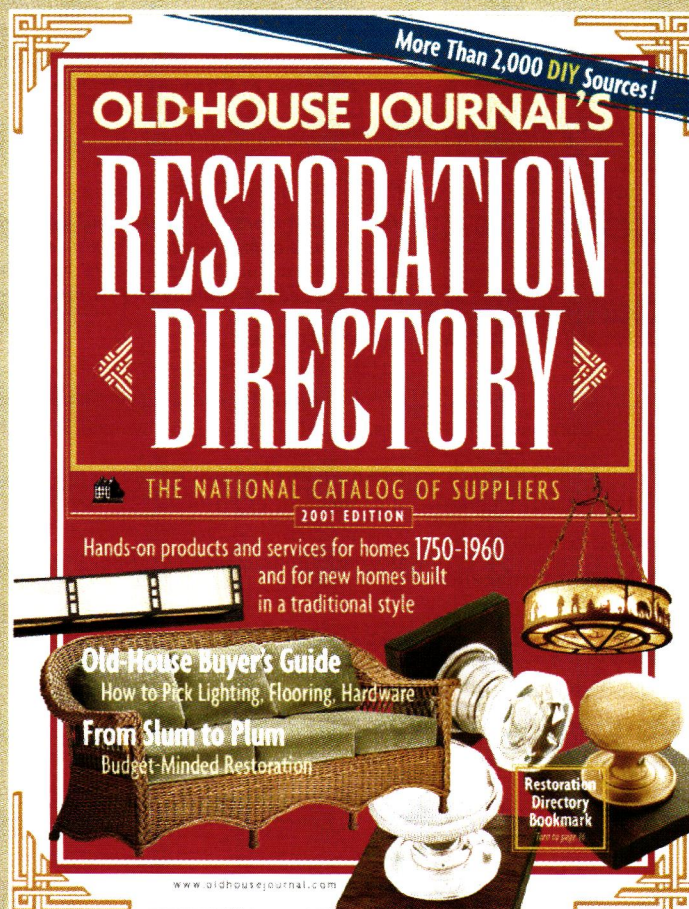
TREE TOP INN

806 Truman Ave., (800) 926-0712. Turn-of-the-century cigar manufacturer's home now has three guest rooms and is listed on the National Register of Bed and Breakfasts

WYNDHAM CASA MARINA

1500 Reynolds St., (800) 626-0777. Restored 1920s beachside resort with 311 rooms and suites.

An **OLD HOUSE** is being restored,
a **New House** is being built
in a **Traditional Style**, you need the
OLD-HOUSE JOURNAL'S
Restoration Directory



2001 Edition Now On Sale

Just \$14.95, call to order
via mail 800.931.2931.

Where To Find Hard-To-Find Stuff

OLDHOUSE
JOURNAL




A Hanley-Wood LLC Publication

HISTORIC PLACES

rons provide a respite from hot city sidewalks and in the Keeper's Quarters museum you'll see a huge Fresnel lens and other lighthouse artifacts. The Key West light was visible for 11 nautical miles and remained in use until 1969.

Near the northwest edge of town you'll find the Customs House (281 Front Street), a red stone Richardsonian Romanesque monument that once oversaw the business of the port. Now home to the offices and exhibits of the Key West Art and Historical Society, its stately interiors have been beautifully restored and its galleries climate controlled.

Well removed from Old Town, but convenient to air travelers on its site just south of the airport, is the East Martello Museum and Gallery (3501 South Roosevelt Boulevard). The Key West Martellos were ill-fated Civil War-era fortifications outdated by new weaponry before they were completed. The last to be built and also the most intact, the oceanside East Martello houses an interesting historical and folk art gallery.

With the opening of the Casa Marina (1500 Reynolds Street) on the city's southern oceanfront, the Roaring '20s came to Key West with boom-time elegance and opulence. This Mediterranean Revival hotel was the southernmost edifice in the great Flagler Railroad empire. Flagler's Overseas Railroad bridge to the island was destroyed by a 1935 hurricane and the resort was further doomed by the Great Depression. Renovated and modernized, the Casa Marina is now operated by Wyndham Hotels. From its outdoor dining area you can hear waves lapping just a few feet away. It makes an appropriately dramatic place to end a day of exploring this colorful and history-rich island, maybe with a margarita or slice of Key lime pie. 

DIANA JARVIS GODWIN is an architectural historian and travel writer based in Navarre, Florida.

Get Rid of Your Gutters!

RAINHANDLER®

Self-Cleans.

Unique louver design allows leaves and debris to blow or wash away.

Protects Property.

The Rainhandler self-cleaning system eliminates clogged, overflowing gutters and downspouts. No ground erosion. No more destructive ice dams from frozen gutters.

Protects You.

The Rainhandler self-cleaning system protects you from the need to climb ladders and roofs to clean clogged gutters.

Prevents Erosion.

Rainoff is converted to a 2 to 3 foot wide band of soft rain-sized droplets sprinkling the landscaping.

Maintains Itself.

The all-aluminum, never-rusting, maintenance-free Rainhandler louvers make messy, deteriorating gutters and downspouts history.

Beautifies.

The Rainhandler system is practically invisible. No gutters, downspouts, leaders or splash blocks to detract from the natural beauty of your home.

Installs Easily.

Each 5-foot section comes with 3 brackets & 6 screws. Do your entire home in 3 or 4 hours.

Guarantees.

Rainhandler comes with a 25-year manufacturer's warranty. Performance satisfaction is guaranteed for one full year.

Phone or Write for **FREE** Information



from Savetime Corp.

Dept. 0H0101

2710 North Avenue/Bridgeport, CT 06604

1-800-942-3004/Fax 1-800-606-2028

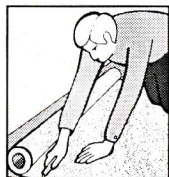
Name _____

Address _____

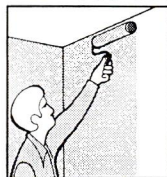
City _____ State _____

Zip _____ Phone () _____

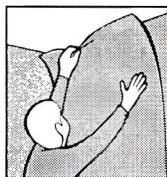
HOW TO USE THE **NU-WAL**® SYSTEM:



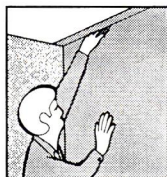
1. Cut fiberglass mat 2" longer than height.



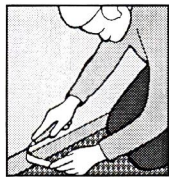
2. Apply saturant to area to be covered.



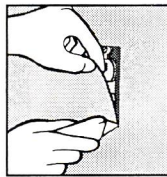
3. Apply fiberglass mat to wet surface.



4. Trim excess mat where wall meets ceiling.



5. Trim mat at baseboard and window.



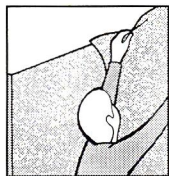
6. Trim mat at outlets, switches, etc.



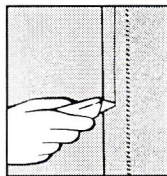
7. Apply second coat of saturant to wet mat.



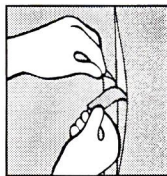
8. Apply 1st coat of saturant to adjacent area.



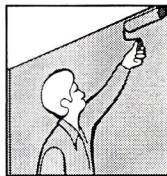
9. Apply mat to 2nd area, overlapping by 1".



10. Cut down center of overlap (both layers).



11. Remove mat strips on both sides of cut.



12. Apply 2nd coat of saturant (include seam)

Restore Cracked Plaster Walls & Ceilings

VAPOR BARRIER

COST EFFECTIVE

ONE DAY APPLICATION

REMOVE NO TRIM

Make Walls & Ceilings Like New!

FREE INSTRUCTION VIDEO AVAILABLE



SPECIFICATION CHEMICALS, INC.

824 Keeler Street, Boone, IA 50036 • 800-247-3932

email: sales@spec-chem.com

online: <http://www.spec-chem.com>

Circle no. 108

Birds
Take
Flight
From..
NIXALITE®

Protect your home from pest birds and animals with Nixalite Stainless Steel Needle Strips. With Nixalite, you get the most effective and humane bird control available. Call today!

Ph: 800-624-1189

Fax: 800-624-1196

E-mail: birdcontrol@nixalite.com

Web: <http://www.nixalite.com>



Nixalite® of America Inc

1025 16th Avenue OHJ
East Moline, IL. 61244

Ph: 309-755-8771 **Fax:** 309-755-0077

E-mail: birdcontrol@nixalite.com

Circle no. 178



**WIDE PINE
FLOORING &
HAND-HEWN BEAMS**

BROAD-AXE BEAM Co.

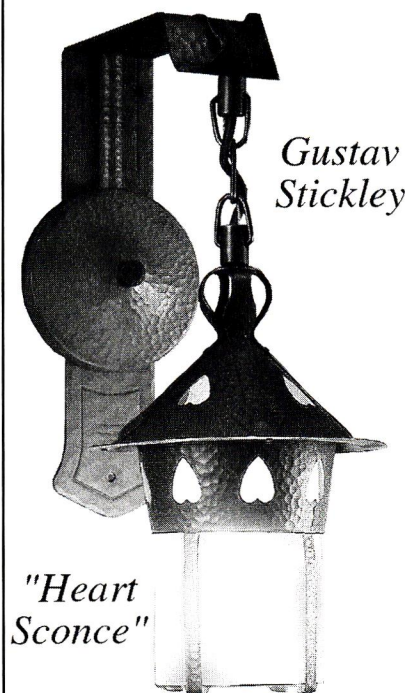
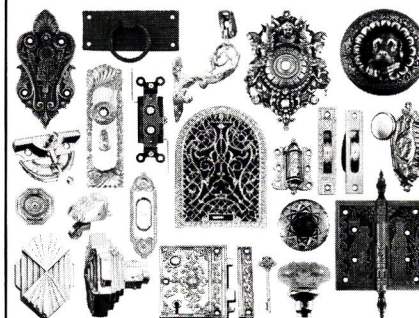
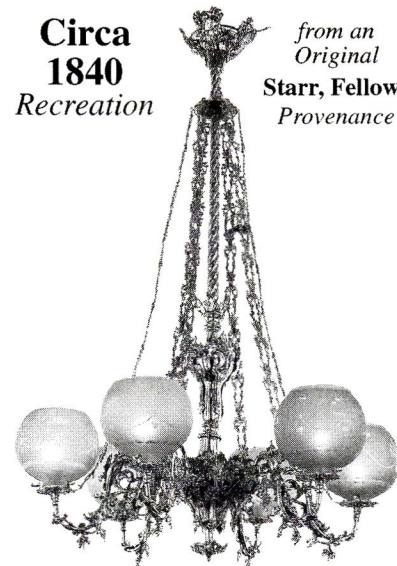
1320 Lee Rd., Guilford, VT 05301

www.broad-axebeam.com

802-257-0064

Circle no. 320

Circa 1840 Recreation from an Original Starr, Fellows Provenance



"Heart Sconce"

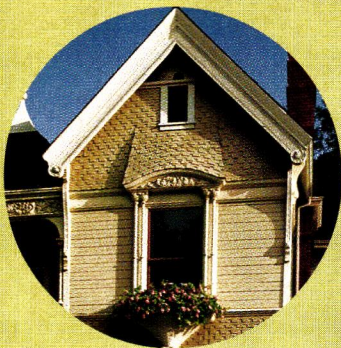
New 80 page catalog, #213, available:
250 reproduction lights; 1,000's pieces of reproduction hardware...Catalog \$ 4.00

AMERICAN HOME SUPPLY

191 Lost Lake Lane
Campbell, CA. 95008

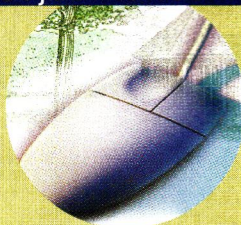
Phone: 408-246-1962

Circle no. 116



OLD-HOUSE JOURNAL

www.oldhousejournal.com



The **Restoration
& Renovation
Resource**
for Old-House Owners

Solutions
to old-house problems

Sources
for old-house products
& services

The Community
of old-house lovers




Hanley-Wood, LLC

Enrich Your Home With Quality Grilles & Registers

Cast Iron • Cast Brass • Cast Aluminum • Wood

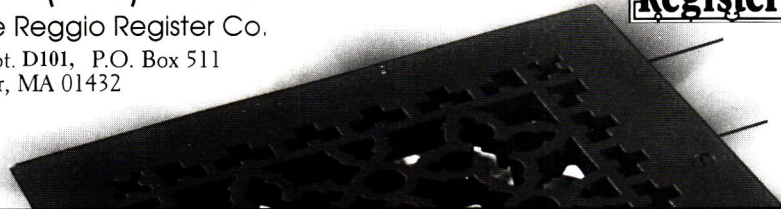
Over 200 Sizes & Styles in Stock • 44 Page Color Catalog \$1

Call (978) 772-3493

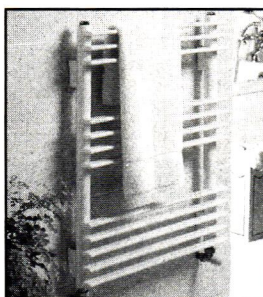
The Reggio Register Co.

Dept. D101, P.O. Box 511
Ayer, MA 01432

**Reggio
Registers**



Circle no. 189



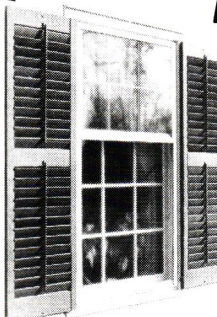
Belgian radiant hot water radiators and towel warmers by VEHA.

For color photos and prices, visit our web site at www.veha.com

Windy Ridge Corporation, Tamworth, NH 03886 1-800-639-2021

Circle no. 514

EXTERIOR SHUTTERS IN CEDAR



Shipped Anywhere
Moveable Louvers, fixed
louvers or raised panel.
Custom curved tops.
Unfinished or painted in
your brand & color.
Interior Plantations in
2 3/8" and 3 1/2" louvers.
Hinges and Holdbacks.

Brochures/Prices, call or write:
SHUTTERCRAFT, 282 Stepstone Hill
Guilford, CT 06437 (203) 245-2608



HISTORICAL ROOF TILES

Largest stock in U.S.

- Our inventory dates to the late 1800s. It includes new tiles and tiles no longer produced.
- We sell in all quantities and ship throughout the United States and also purchase salvaged material.
- We're specialists in the installation of tile and slate for historical restoration projects.

For a **FREE** brochure, write or call us today:

TILE ROOFS, INC.
12056 S. UNION AVE.
CHICAGO, IL 60628

(888) 708-TILE
FAX (708) 479-7865

Fruit (or Pomegranate) designed in 1864



**WILLIAM
MORRIS**

MORRIS & CO.
WALLPAPERS
& FABRICS

BY MAIL

Arts & Crafts
beauty
for your home
from England

www.charles-rupert.com

- Expanded catalogue on-line
- Complete sample cutting service
- Accessories and more

Splendid Items for Traditional Homes

CHARLES RUPERT
THE SHOP

2005 OAK BAY AVE. VICTORIA, B.C.
CANADA V8R 1E5 Tel: (250) 592-4916



OLD-HOUSE JOURNAL

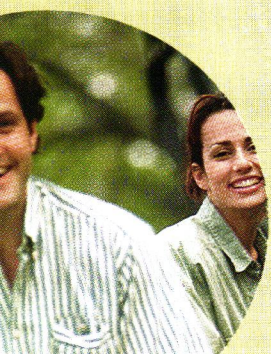
www.oldhousejournal.com

The Restoration and Renovation Resource for Old-House Owners

Solutions to old-house problems

Sources for old-house
products & services

The Community of old-house lovers



Hanley-Wood, LLC

SWAPS & SALES

REAL ESTATE

SOUTH CENTRAL VA – Ca. 1898 Victorian. 4 bedrooms; 2 baths; 2 fireplaces; 3,000 sq. ft. Outbuilding could become guest house. One acre. \$109,000. Davenport Realty, 888-333-3972. www.davenport-realty.com



SOUTH CENTRAL VA – Ca. 1910 Victorian with 5 bay windows; 1,660 sq. ft. 2 bedrooms; 1 bath; fireplace; wrap-around porch. 5 acres. \$89,000. Davenport Realty, 888-333-3972. www.davenport-realty.com



BOWLING GREEN, VA – “Machockney” ca. 1790 on 65+/- acres. Unique double chimney and oakleaf woodwork. Original beaded weatherboard, self-closing doors, windows, floors. 6 acre stocked pond. Four bedrooms. Two



SPOTLIGHT HOUSE

MANASSAS, VA– Moor Green c. 1817. Less than 15 minutes to commuter train and 45 minutes from Washington, DC on 10+ acres. Moor Green is a stately Federal Manor home located on a private setting. Listed on the National Register. Flemish bond brickwork in front. American bond on sides and rear. Over 4,500 square feet, 10+ ceilings, original heart pine floors, original mantles, woodwork and moldings. 7 fireplaces, four bedrooms, 3-1/3 baths, dependencies. \$858,000. Deborah James Dendler, Antique Properties (800)394-5059. www.antiqueproperties.net

full baths. \$299,000. Dave Johnston – “The Old House Man” Antique Properties. (804) 633-7123.

ST. JOSEPH, MO – This 1890 three-story brick home has approx. 7,367 sq. ft. with 5+ bedrooms, 4-1/2 baths, hand-carved woodwork, 9 fireplaces and much more. \$335,000. Michelle Bolonyi/Coldwell Banker Properties. 1-800-530-5938.

FLOORING

WIDE PLANK FLOORING – Random widths, long lengths. New and reclaimed woods, select and rustic grades. The appropriate choice for the restoration of any period. www.countryplank.com

Swaps & Sales continued on page 96

ANTIQUE FLOORING – Antique barnwood flooring and planks, oak and pine. Free brochure. Carlson's Barnwood Company, [www. CarlsonsBarnwood.com](http://www.CarlsonsBarnwood.com) Call 309-522-5550.

EDUCATION

ROGER WILLIAMS UNIVERSITY

School of Architecture, Art and Historic Preservation

One Old Ferry Road

Bristol, RI 02809

1-866-264-9767

admit@alpha.rwu.edu

www.rwu.edu

ITEMS FOR SALE

Irish Beleek luncheon set for 12; 40 antique bisque dolls, 2 wood shaft Scotch golf clubs. 703-538-1179.

OHJ issues. 1973-1998, complete. \$250.00, plus shipping. 802-234-6724.

Antique log house, double pen, two complete rock chimneys. Built late 1700's to early 1800's. \$25,000. – Buyer responsible for moving house to his/her own property. Can be seen by appointment. Call 304-772-4429 or leave message 772-4425.

Brass doorknobs, American, Early 20th Century. Solid brass, Georgian design. \$25.00 per pair. (609) 259-9703.

HISTORIC PRESERVATION SERVICES

EVERYONE DREAMS IN COLOR –

For twenty years, our exterior color schemes have made dreams come true. The Color People, 2231 Larimer Street, Denver, CO 80205. 800-541-7174. www.colorpeople.com.

STRUCTURAL RESTORATION

SPECIALIST – 30 years experience in jacking, squaring, sill & timber replacement to Early American homes, barns and log cabins. Consulting services by appointment. We will travel anywhere. George Yonnore Restorations. 413-232-7060.

WANTED

WANTED – a single back issue of OHJ: Sept.-Oct. 1996. Michael Allen Mudge, 37 Otterbein Street, Crellin, MD 21550-5334. 301-334-9795. mudge3@juno.com.

REAL ESTATE and RESTORATION SERVICES ad rates are \$4.50 per word, 25 word minimum with \$150 for a photograph. Deadline is the first of the month, two months prior to publication. The deadline for inclusion is the first of the month prior to publication. (January 1 for the March/April issue.) Submissions must be typed and accompanied by a check. Mail to:

Barbara Jones
Old-House Journal Swaps & Sales
Real Estate/Restoration Services Ads
181-20 140th Avenue
Springfield Garden, NY 11413
(718) 712-0757
(718) 712-1061 fax

SWAPS & SALES "ITEMS FOR SALE" ads are **FREE** to current subscribers for one-of-a-kind or non-commercial items. Free ads are limited to a maximum of 40 words. Free ads are printed on a space-available basis. Deadline is the first of the month, two months prior to publication. For example, January 1 for the March/April issue. All submissions must be typed and accompanied by a current mailing label for free ads. Mail to:

Swaps & Sales
c/o Ad Traffic Manager
Old-House Journal
One Thomas Circle, NW
Suite 600
Washington, DC 20005

Your Feature In

OLDHOUSE JOURNAL

The **Ultimate Opportunity**

Order professional custom reprints of your **Old-House Journal** feature or advertisement. Share your know-how with customers and spread the word about your expertise.

- Put one in the hands of each potential client
- Include with marketing materials and proposals
- Display in your office
- Create a direct mail piece

To order reprints of your company's feature from this issue
call **(877) 734-6650**

Minimum order 500 reprints

OLDHOUSE
JOURNAL



RECYCLING THE PAST

♦ Architectural Salvage ♦
for
Home and Garden

Fireplace Mantels

Doors and Windows

Unique Garden Ornaments

Iron Gates and Fencing

Kitchen and Bath

Building Materials

Always Buying

381 N. Main Street, Barnegat, NJ 08005

609.660.9790

www.recyclingthepast.com

Circle no. 405



Old Growth Pine



Country White Oak



Heart Pine



Antique Pine

“NEW ENGLAND CLASSICS”

The “Carlisle Floor” is a unique combination of family heritage and New England craftsmanship.



The Leading Name in Wide Plank Flooring Since 1966

www.wideplankflooring.com • 1-800-595-9663

Circle no. 127

GOOD TIME STOVE CO.

A Family Business since 1973

No Reproductions

Genuine Antique Stoves

Restored With Love...

for the Warmth of your Home
& the Heart of your Kitchen

www.goodtimestove.com

Ask for Sara, the Stove Princess

Toll-Free 1-888-282-7506

Gas & Electric Conversions Available to All Models

Museum & Showroom Open by Appointment

Prop. Stove Black Richardson and his beautiful daughter, Sara, the Stove Princess

Circle no. 160

HARDWARE PLUS

RESTORATION & RENOVATION
HARDWARE



VISIT OUR NEW ON-LINE COMMERCE SITE AT www.OLDTYME.COM
OR CALL 888-OLD-TYME FOR A FREE HARDWARE PLUS CATALOG

Circle no. 90

Hardwood Floors

Reclaimed, Remilled
Antique Heart Pine

A beautiful look for your renovated home!

Custom Floors

Feature Strips

Random Width and
Wide Plank Floors

Oak, Cherry, Teak, Heart Pine, Mahogany,
Walnut, Goncalo Alves - almost any hardwood!



M.L. GCONDON
COMPANY Inc.

254 Ferris Avenue, White Plains, NY 10603

Phone: (914) 946-4111

Fax (914) 946-3779

Circle no. 527

INSTALL A TOILET
OR BATHROOM
ANYWHERE YOU LIKE



SANIPLUS® adds luxury and value to your home. Enjoy that ensuite bathroom or understairs toilet you've always wanted. You can add these extra facilities almost anywhere from attic to basement.

SANIPLUS® uses small diameter pipe-work, saves structural work, avoids traditional plumbing problems, slashes installation costs. Over 750,000 in daily use, all over the world.

SANIPLUS® sanitary macerator shreds human waste and paper. The waste is then pumped away through a small diameter (3/4") discharge pipe into an existing sewer system. SANIPLUS provides the means to install extra sanitary facilities.

SANITARY FOR ALL

Toll Free: 800 - 36 FLUSH (800-363-5874)
Web Site: www.saniflo.com

Circle no. 500

Designed by the ages. Crafted by hand.

Fischer & Jirouch has been hand-crafting plaster ornaments by the same methods for nearly 100 years. We use only traditional plaster in replicas of our 1,500 designs from a variety of periods. Architects, tradespeople, and do-it-yourselfers rely on our pieces to enhance their exterior and interior projects. We also offer custom reproduction.



Hand-crafted Fischer & Jirouch ornaments are as easy to work with as wood and authentic throughout. *Send for our 144-page catalog (\$10 US, \$15 Canadian).*

No credit cards.
Catalogs shipped UPS (no P.O. box)
Canadian orders in U.S. dollars



THE FISCHER & JIROUCH CO.

4821 Superior Ave. • Cleveland, Ohio 44103

Tel. (216) 361-3840 FAX (216) 361-0650

Come visit us at www.fischerandjirouch.com

Circle no. 91

IF THIS OLD HOUSE
could talk,
IT WOULD TELL YOU
all about the
UNICO SYSTEM.

Installing A Unico Cooling & Heating System Won't Compromise Your Home's Architectural Integrity.

Now you can install a high performance cooling and heating system in your older home without affecting aesthetics. The Unico System's flexible mini-ducts fit easily behind walls and ceilings, eliminating the need for soffits. Outlets are small and subtle to match any décor. With the Unico System, you'll enjoy the superior performance of quiet, draft-free cooling and heating all year long.

To hear more about the finest cooling and heating system for older homes, call 1-800-527-0896 or visit us on the web at www.unicosystem.com.



The Unico System®

Circle no. 207

SCHWERD'S Quality Wood Columns since 1860

A.F. Schwerd Manufacturing Co. has been producing wood columns and pilasters for over 135 years. The wood is thoroughly seasoned pine for exterior use; additional lumber species available for interior. Production begins with a minimum 2" shaft wall thickness using solid piece lumber (no finger joints) resulting in a quality, durable column. Columns are available in diameters from 4" to 50" and in the length required for your specific installation up to 35'. To assist in your restoration projects, we can manufacture columns to match your existing design. Capitals, shafts, bases and plinths can be purchased separately.



No. 140 Scamozzi

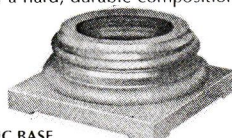


No. 150 Roman Corinthian



No. 142 Greek Ionic

Our ornamental capitals are made of a hard, durable composition suitable to withstand the elements. Additional styles are available.



#130 ATTIC BASE

Our complete aluminum bases are manufactured of thick metal and are recommended for exterior columns for a seamless base that will last a lifetime. The aluminum plinths are ventilated for air circulation through the column shaft. Complete aluminum bases are available in three architecturally-correct styles for even diameter columns from 8" to 30".

Call or write for our free catalog.

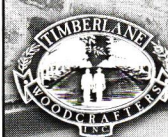
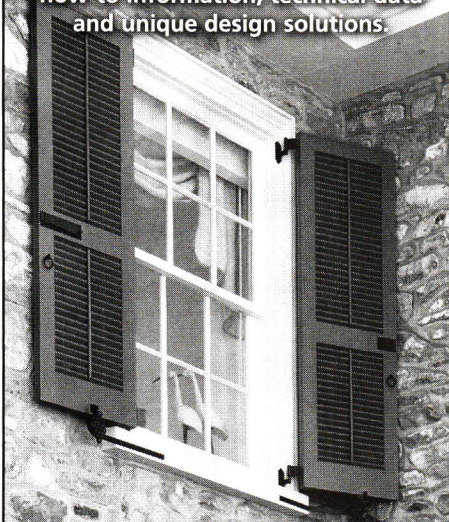
A.F. SCHWERD MANUFACTURING COMPANY

3215 McClure Avenue, Dept. OHJ • Pittsburgh, PA 15212
Telephone: (412) 766-6322 • Fax: (412) 766-2262

Circle no. 447

SHUTTERS

Timberlane's shutter catalog includes over 32 pages of photos & ideas, how-to information, technical data and unique design solutions.



Call for a FREE 32 page color catalog

(800) 250-2221

www.timberlane-wood.com

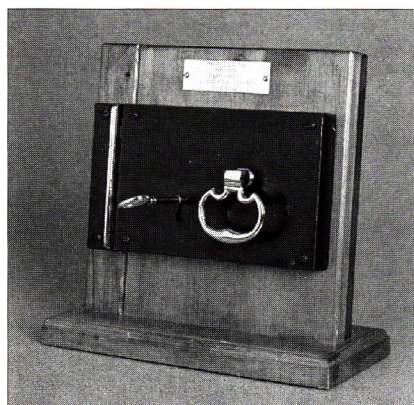
197 Wissahickon Ave.

North Wales, PA 19454

**TIMBERLANE
WOODCRAFTERS, INC.**

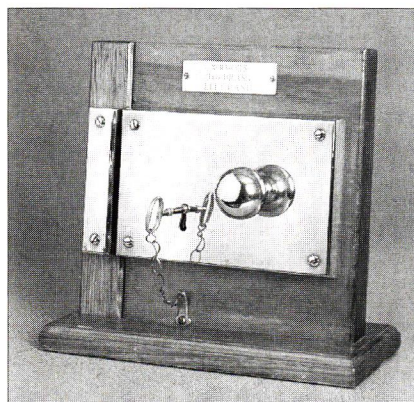
"CRAFTSMANSHIP THAT MEETS THE TEST OF TIME"

Circle no. 205



Quality Reproduction Door Locks, Lighting, and Builders' Hardware

Since 1932, BALL AND BALL has been manufacturing the finest quality antique reproduction door hardware including iron strap hinges, brass butt hinges, rim locks, mortise locks, and door knockers, as well as furniture hardware, builders' hardware, lighting fixtures, and fireplace accessories available. Call for our 108-page catalog, available for \$7.00 (catalog cost refunded on first order).



Ball and Ball



463 W. Lincoln Highway

Exton, PA 19341

Phone: 610-363-7330

Fax: 610-363-7639

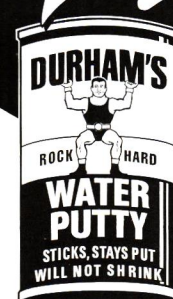
Orders: 1-800-257-3711

www.ballandball-us.com

Circle no. 243

WOOD REPAIR

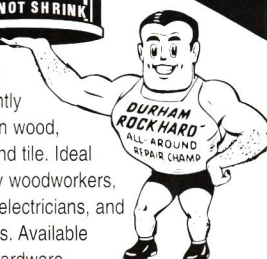
THE ORIGINAL



Use genuine Durham's Rock Hard Water Putty to fill cracks, crevices, joints, knots, and nail holes. You can saw, chisel, polish, color, and mold it too. Sticks and stays put - will not shrink. Only original Durham's offers lasting satisfaction.

Durham's

permanently adheres in wood, plaster, and tile. Ideal for use by woodworkers, painters, electricians, and carpenters. Available through hardware, lumber and building material dealers, and paint distributors from coast to coast.



Donald Durham Co.

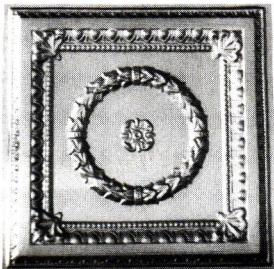
Box 804-HJ, Des Moines, IA 50304

http://www.waterputty.com

Circle no. 147

CEILINGS PLUS

*The Elegance and Beauty
of Yesterday for Today!*



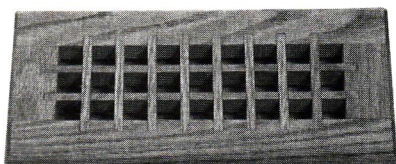
Exact replicas of the beautiful old tin ceilings are now available in durable, lightweight, high impact polymer plastic. They are easy to install, paintable and washable. Available in fire-rated materials and colors. Several patterns from which to choose. Please write or call:

**Snelling's
Thermo-Vac**
INC.

P.O. Box 210, Blanchard, LA 71009
Office (318) 929-7398
FAX (318) 929-3923
Website: www.ceilings-plus.com

Circle no. 448

**WOODEN
FLOOR GRATES**



From 2"x10" to 20"x32"

• 3 FLOOR MODELS

- BASEBOARD • WALLMOUNTED
- UNFINISHED OR PREFINISHED
- EGGRATE OR LOUVERED

Send \$2.00 for catalog
and receive a \$5. coupon to:

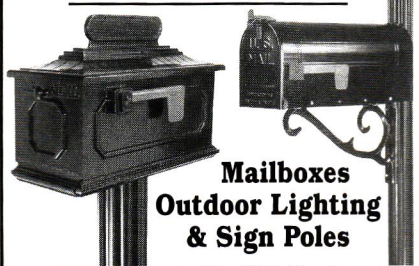
GRATE VENTS

P.O. Box 471
Crystal Lake, IL 60039-0471
(815) 459-4306
Fax (815) 459-4267

Circle no. 163

**Quality Aluminum Mailboxes
& Decorative Posts**

Visit our website for a
Wide Selection of Quality Products!
www.brandonindustries.com



**Mailboxes
Outdoor Lighting
& Sign Poles**

Call or write for a **FREE** brochure!

Brandon Industries Inc.®

1601 Wilmet Rd., Dept. OHJ
McKinney, TX 75069-8250

972-542-3000

**GLASS INTERIOR
Storm Windows**



- Maintain the charm & beauty of existing windows (NO replacements. NO unsightly triple-track storms)
- Eliminate Drafts completely
- Reduce Heating & Cooling bills up to 30%
- Low "E" and UV Protection available
- Revolutionary trackless mounting
- Compression fit DIY installation
- Factory direct custom sizes
- Easy - No tools - Snap in & Out

Watch for us on This Old House
www.stormwindows.com

Innerglass™
WINDOW SYSTEMS

the better alternative

1-800-743-6207 • FAX (860) 651-4789
15 Herman Drive, Simsbury, CT 06070

Expect More...



*Old-Growth River-Recovered
Heart Pine*

FLOORING • STAIRPARTS • MILLWORK

800-336-3118



River-Recovered Heart Pine Specialists™

www.heartpine.com

goodwin@heartpine.com

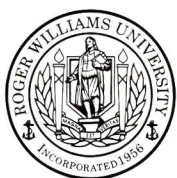
Circle no. 386

Restore the Past Build Your Future

Earn your Bachelor of Science in Historic Preservation at Roger Williams University

Study architectural conservation or preservation planning at our waterfront campus in historic Bristol, Rhode Island, located in the heart of New England. Roger Williams University's premier historic preservation program is the only one of its kind offered in the context of a liberal arts institution and housed within the University's School of Architecture, Art & Historic Preservation. Benefit from practicing professionals in small classes, restoration field work, excellent resources, a study abroad semester, and options for adult learners.

Call 1-866-264-9767 for more information.



ROGER WILLIAMS UNIVERSITY

Office of Admissions • One Old Ferry Road • Bristol, RI 02809

www.rwu.edu • e-mail: admit@alpha.rwu.edu

Featuring the Feinstein Enriching America Program. Roger Williams University is accredited by the New England Association of Schools and Colleges. The Ralph R. Papitto School of Law is fully accredited by the American Bar Association.

Circle no. 349

Ole Fashion Things

PLUMBING SUPPLY



Handheld Shower Assemblies
Tub Faucets & Accessories
Plumbing Hardware for Clawfoot Tubs

Showroom Hours: Tues.-Sat. 10am-6pm CST
402 SW Evangeline Thwy, Lafayette, LA 70501

Free Catalog 1.888.595.BATH (2284)

Circle no. 433

YOUR DIRECT SOURCE
1-800-387-7711

Free Catalogue

StairWorld Inc.
Curved Stair Systems

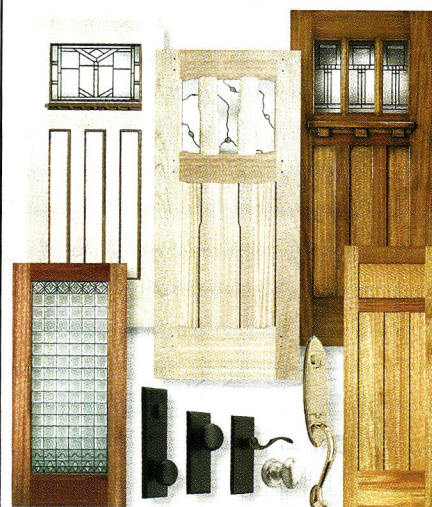
2000

- COLUMNS
- CURVED STAIRCASES
- EXTERIOR RAILINGS
- ORNAMENTAL RAIL
- SPIRAL STAIRCASES
- STAIR PARTS
- RAILING COMPONENTS

www.stairworld.com
click in your order/online

Circle no. 198

Craftsman, Bungalow & Classic Style Doors



Entrance Doors, Interior Doors & Latchesets



Eugene, Oregon • Call 888-686-Door(3667)
Doors available in various woods, pre-hung
& shipped anywhere. View our complete line
of doors, glass & latches on the internet at:
www.internationaldoor.com

Circle no. 510

Direct Style



Catalog \$5.00 Refundable with first order

Tradesman's Choice
 All Copper Rain Gutter Accessories Bronze Lion Leaderhead

- All Gutters Available in .027 & .032 Aluminum 26^{ga}, 24^{ga} & 22^{ga} Galvanized
- 30 colors and Custom Color Available
- 16^{oz} & 20^{oz} Copper
- Copper as low as \$3³⁴ per foot

Copper Chain Downspouts 8' Long Each

NC-5 5" OGEE 6" OGEE
 Seamless 5" Half Round Seamless 6" Half Round

TEL: 714-378-0334 FAX: 714-378-3580
 www.raingutterstore.com



For more details on this kitchen, please visit our web site:
www.crown-point.com
 153 Charlestown Road • Claremont, NH • 03743
 Phone: 800-999-4994 • Fax: 800-370-1218

Custom **period-styled** cabinetry, handcrafted to the finest quality.

- Genuine Old Fashioned **Milk Paint**
- Flush **inset** doors and drawers
- Period appropriate **styles**

Available **direct** from us, to you.

Period.

CROWNPOINT
 CABINETRY

Period styling.
 Handcrafted to the finest quality.

Your Feature In **OLDHOUSE** JOURNAL

The **Ultimate Opportunity**

Order professional custom reprints of your **Old-House Journal** feature or advertisement. Share your know-how with customers and spread the word about your expertise.

- Put one in the hands of each potential client
- Include with marketing materials and proposals
- Display in your office
- Create a direct mail piece

To order reprints of your company's feature from this issue call **(877) 734-6650**

Minimum order 500 reprints

Light-Weight Slate!



Order Online
www.welshmountainslate.com

Welsh Mountain Slate, Inc.

- Beautiful •
- No Maintenance •
- Recycled Material •
- Natural Colors •
- Natural Textures • 50+ year life •
- Easy to Install •
- Less Expensive Than Natural •
- Shipped Direct to Your Job Site •

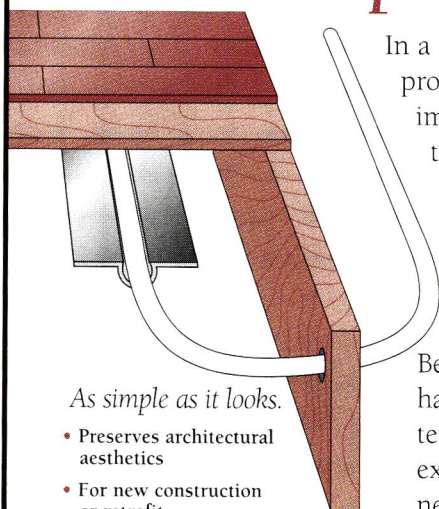
Get Your Free Sample Today

1-800-865-8784

Circle no. 459

Out-of-sight Comfort

*for your restoration
or reproduction*



As simple as it looks.

- Preserves architectural aesthetics
- For new construction or retrofit
- Use your existing boiler or domestic hot water heater

In a restoration or reproduction, the proof is in the details. One mighty important detail is your heating system. Radiantec underfloor radiant heat is clean, comfortable, and energy-efficient. It's also invisible, so it never intrudes on your home's aesthetics.

Best of all, Radiantec systems cost half as much as most radiant systems. They install easily in new and existing construction, and components are engineered to provide years of trouble-free service.

Outstanding Support

- Free brochure and installation manual
- Free design assistance and video

FOR MORE INFORMATION

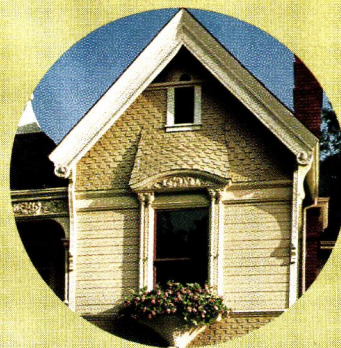
www.radiantec.com

(800)451-7593



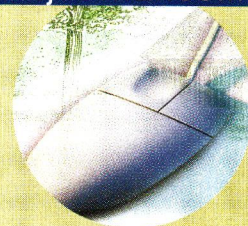
(802)626-5564 • FAX (802)626-8045 • Box 1111, Lyndonville, VT 05851

RADIANT UNDERFLOOR HEATING



OLDHOUSE JOURNAL

www.oldhousejournal.com

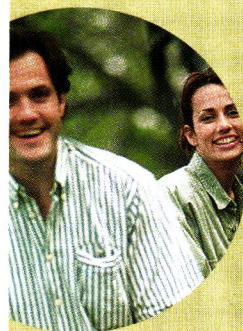


The **Restoration
& Renovation
Resource**
for Old-House Owners


Solutions
to old-house problems

Sources
for old-house products
& services

The Community
of old-house lovers



Hanley-Wood, LLC



CHADSWORTH'S
1.800.COLUMNS®
www.columns.com

Voted No. 1 Preferred Brand in U.S.

WOOD • POLYSTONE™ • FIBERGLASS

IDEA BOOK includes
 Columns Product Portfolio,
 soft cover \$20, hard cover \$30.
 Columns Product Portfolio \$5.

Free flier.

1.800.486.2118

Historic Wilmington, NC
 Atlanta • London

Circle no. 87

Simply Well Done.



Arts & Crafts styling.
 Mission Light Rails. Flush
 inset Craftsman doors.

Arts & Crafts.

Premium Cherry hardwood.
 Satin finish. All-wood
 construction.

Furniture Quality.

Handcrafted. Full custom.
 The finest quality.

Full custom.

CROWNPOINT CABINETRY

Period styling.
 Handcrafted to the finest quality.

153 Charlestown Road • Claremont, NH • 03743
 Phone: 800-999-4994 • Fax: 800-370-1218
<http://www.crownpoint.com>



VICTORIAN TRADITIONS



Send \$5.00 for
 full-color catalog
 with hundreds of
 products

Standard style
 screen/storm doors.
 Custom doors, too.

Freework gingerbread. Most complete
 line available, created in solid hardwoods
 by the world's leading manufacturer.
 Save with factory-to-you pricing.

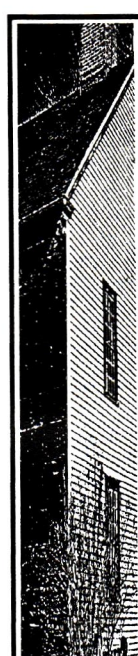
• Carvings • Mantels • Vanities • Bars

**Cumberland
 & Woodcraft Co.
 INC.**

P.O. Drawer 609, Carlisle, PA 17013 • Dept. 239
1-800-367-1884 E-Mail: cwc@pa.net
 Web Site: www.cumberlandwoodcraft.com

Circle no. 141

www.oldhousejournal.com



**Quartersawn
 Clapboard Siding
 & Building Materials**
 Including Wide Pine and
 Hardwood Flooring

Quartersawing produces
 a vertical grain clapboard:

- Twists and warps less
- Wears more evenly
- Bonds paint and stain better

Also featuring...

Cabots Factory Finish™
 Exterior Pre-Finish for
 all types of wood siding.
 Allows priming or finishing
 prior to installation
 with 15 year warranty:

- Crack, peel and flake resistant
- Washable
- Non-yellowing
- No chalk washdown
- Paint film will not erode

Granville Manufacturing Co.
 • Established 1857 •
 PO Box 15 Granville, Vermont 05747

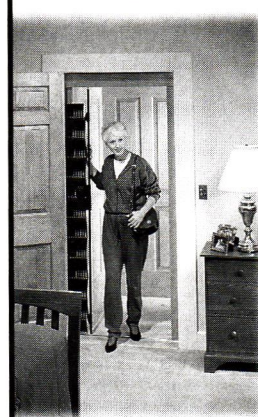
Call, write or fax for Free Brochure
 Tel: 802-767-4747 • Fax: 802-767-3107
 E-Mail: woodsiding@madriver.com
 Web Site: www.woodsiding.com

Circle no. 162

**EVEN OLDER HOMES
 CAN HAVE MODERN
 CONVENIENCES.**

An **Elevette®** fits easily into restorations or
 renovations. It's convenient yet elegant.

Safe yet
 sophisticated.
 Reliable yet
 refined. So if
 you're thinking
 of adding an
 elevator, don't
 compromise.
 Get a custom-
 built Elevette
 to complement
 the unique
 style of your
 older home.
 Tax-deductible
 when doctor
 recommended. For more information
 call **1-800-456-1329**.



INCLINATOR
 COMPANY OF AMERICA

Dept. 21, PO Box 1557
 Harrisburg, PA 17105-1557
 E-mail us at isales@inclinator.com

Circle no. 234

OHJ RESOURCE NETWORK

To request information from our advertisers: PHONE: 1-888-398-2200 FAX: 1-856-488-6188

MAIL: Fill out the postage-paid card and drop in the mail. (If requesting literature with charge, put card and check in envelope and mail.)



Abatron, Inc.228

See our ad on page 57

Rotted wood repair epoxies; concrete repair compounds; moldmaking and casting compounds; adhesives; strippers; crack-injection resins; stone maintenance products. Free Literature. 800-445-1754. www.abatron.com.



Allied Windows78

See our ad on page 84

Invisible Storm Windows-Match any window shape or color. Removable storm windows for the inside or outside. \$2.25 color brochure. 800-445-5411. www.invisiblestorms.com.



Antique Hardware Store80

See our ad on pages 35

Renovation Hardware. Hard-to-find supplies: brass cabinet hardware, lighting, pedestal sinks, old-fashioned bathtub showers & fixtures. Free catalog. 800-422-9982. www.antiquehardware.com.



Arrow Fastener

See our ad on page 66

American Hand Tool Company. A wide range of staple guns & staples, nail guns & nails, rivet tools & rivets, glue guns & glues & steel rule tape measures for the serious do-it-yourselfer. Free literature. www.arrow-fastener.com.



Arroyo Craftsman Lighting, Inc.82

See our ad on page 29

Arts & Crafts Lighting—Interior, exterior & landscape lighting. Multiple sizes, finishes & art-glass choices. Free color catalog. 888-227-7696.



Besco Plumbing259

See our ad on page 75

Solutions for bath and kitchen. Free catalog. 800-697-3871.



BlackCove Cabinetry™480

See our ad on page 9

Free literature. 800-262-8979.



Bose Corp.455

See our ad on page 25

Call 1-800-ASK-BOSE and request ext. 66 to discover which BOSE product is best for you, or visit us at ask.bose.com/wx66.



Cabot86

See our ad on pages 10-11

Woodcare. Manufacturers of premium-quality interior & exterior woodcare products. Unique product for virtually every application. Free literature. 800-US-STAIN. www.cabotstain.com.



Carlisle Restoration Lumber127

See our ad on page 97

Traditional Wide Plank Flooring. In the tradition of our heritage we have been America's source for custom crafted flooring for over 30 years. Free Literature. 800-595-9663. www.wideplankflooring.com.



Classic Revivals Inc.528

See our ad on page 21

Classic Revivals, Inc. is a wholesale only supplier to the trade of historically exact reproduction of fabric, wallpapers, trimmings and carpeting. 617-574-9030. www.classicrevivals.com



Crown City Hardware88

See our ad on the inside back cover

Hard-to-Find Hardware. From the 16th century through the 1930's; using brass, iron, pewter & crystal. Catalog includes informative text and high-quality restoration hardware. \$6.50. 626-794-1188.



Decorator's Supply Corporation110

See our ad on page 56

Manufactures 16,000 different ornaments in plaster, wood, composition. Established in 1893. Free literature available. 773-847-6300. www.decoratorssupply.com.



Dumond Chemical488

See our ad on page 71

Peel Away is an environmentally safe paint remover capable of removing thirty-two coats of paint with a single application. Free literature. 212-869-6350. www.peelaway.com.



Elliott's Hardware Plus90

See our ad on page 98

Hardware Plus. A restoration & renovation home & furniture hardware free catalog. 888-OLD-TYME. www.OLDTYME.com.



Fein Power Tools151

See our ad on page 33

Makers of the world's first power tool...1895. Free literature. 800-441-9878.



Fischer & Jirouch91

See our ad on page 99

Plaster Ornament. Restoration and reproduction with fiber-reinforced plaster. Complete catalog of 1500 items, \$10. 216-361-3840.



Heat-N-Glo95

See our ad on page 26

With our direct vent fireplace, the possibilities are endless.



Hydro-Sil Heat Company250

See our ad on page 73

Hydronic Heater. Clean, safe, healthful and inexpensive floor-to-ceiling warmth. Portable or permanent baseboard installation. Free literature. 800-627-9276.



The Iron Shop®444

See our ad on page 79

Spiral Stair Kits. Since 1931, The Iron Shop® has enjoyed a reputation for quality and value in spiral stairs. The Iron Shop offers the very best in selection, quality and prices. Spirals available in Metal, Oak, Victorian Cast Aluminum Kits and All Welded Custom Units. FREE catalog. Call 1-800-523-7427, ext. OHJ-E1. www.TheIronShop.com



Joinery Company97

See our ad on page 30

It's Magic—Discover the Beauty of Antique Heart Pine. Your ultimate, one-stop source for flooring, stairparts, cabinet stock and beams. Free brochure. 919-823-3306.



Kroy
Building Products, Inc.

Kroy Building Products314

See our ad on page 34

Vinyl fence, deck, handrail & pergolas are the final touches to a maintenance free home and the perfect compliment to vinyl siding & windows. Free literature. 800-993-KROY. Fax: 888-BUY-KROY. Web: www.kroybp.com.

Marvin Windows.232

See our ad on page 72

Marvin offers a 30-page catalog featuring their wood and clad wood windows and doors. Beautiful color photographs and information on Marvin's standard and custom products. Free. 888-537-8253. www.marvin.com.

Mica Lamps.158

See our ad on page 16

Authentic lighting styles and authentic materials from the American Arts & Crafts era, circa 1910. Made in USA of Authentic Mica Mineral and Copper and rivet construction. Free Literature. 818-241-7227. www.micalamps.com.

Mitsubishi99

See our ad on page 7

Ductless Technology. Supplier of the Mr. Slim line of ductless air conditioners & heat pumps. Free catalog. 770-613-5825. www.mitsubishi.com/hvac.

Olde Good Things384

See our ad on page 86

212-989-8401. www.oldegoodthings.com info@oldegoodthings.com

Old World Stoneworks486

See our ad on page 36

Free 28-page color catalog 800-600-8336. www.oldworldstoneworks.com.

Pozzi (a division of Jeld-Wen)

See our ad on the inside front cover

Wood Windows. Hand-crafted in Bend, Oregon, Pozzi Wood Windows ensure unsurpassed quality and custom beauty in every window and patio door. For product literature or a dealer near you, call 800-257-9663 ext. RSOHJ or visit www.pozzi.com.

Rainhandler213

See our ad on page 91

Rainhandler-modern alternative to gutters. Converts roof runoff to rain sized drops. Spreads them 2 to 3 feet away from home. No cleaning, no maintenance, no ground erosion. Free Literature. 1-800-942-3014. www.rainhandler.com.

Rejuvenation Lamp & Fixture . .105

See our ad on the back cover

Authentic Lighting Reproductions. Over 280 chandeliers, wall brackets, porch lights & lamps, Victorian, Arts & Crafts & Neoclassic styles. Free catalog. 888-343-8548. www.rejuvenation.com.

Renovator's Supply106

See our ad on page 58

Bathroom Fixtures & Accessories. Door, window, cabinet hardware. Lighting fixtures. Free catalog. 800-659-0203.

MARVIN
Windows and Doors

Made for you.

**MICA
LAMPS**

MITSUBISHI ELECTRIC
Advanced Products Division

**OLDE GOOD
THINGS**

*Old World
Stoneworks*

POZZI
WOOD WINDOWS
Part of the JELD-WEN family

Rainhandler

R

THE RENOVATOR'S SUPPLY
Millers Falls, Massachusetts 01349

Direct Craftsmanship



**Shaker-inspired Cherry cabinetry
with Barnstead doors and Autumn Brown finish.**

For more details on this kitchen, please visit our web site:

www.crown-point.com

153 Charlestown Road • Claremont, NH • 03743

Phone: 800-999-4994 • Fax: 800-370-1218

Handcrafted period-style custom
cabinetry.

- All **wood** construction
- Dovetail drawers
- Mortise and tenon **joinery**
- Oven baked finish

Furniture **quality** cabinetry,
available direct from us, to you.

Period.

CROWNPOINT
CABINERY

Period styling.
Handcrafted to the finest quality.

**A. F. Schwerd
Manufacturing
Company**

**SPECIFICATION
CHEMICALS, INC.**



STEPTOE & WIFE

The Unico System

WIRSBO

Schwerd Manufacturing447

See our ad on page 100

Traditional Wood Columns—From 4" to 50" diameter, up to 35' long. Matching pilasters & 6 styles of capitals. Ventilated aluminum plinth & column bases. Custom work done. Free catalog. 412-766-6322.

Specification Chemicals108

See our ad on page 92

Wall Restoration- Repair cracked plaster walls and ceilings. Install easier than wallpaper; no need to remove woodwork. Stops air infiltration and creates a vapor barrier. Free Literature. 800-247-3932. www.spec-chem.com.

Steptoe & Wife Antiques Ltd.

See our ad on page 72

Decorative cast iron spiral and straight staircase kits; architectural and ornamental metalwork including railings, gates, grilles; Curtains Up™ drapery hardware. \$3 literature. 800-461-0060. info@steptoewife.com

UnicoSystems, Inc.207

See our ad on page 99

The mini-duct heating and cooling system specifically designed to preserve the architectural integrity of older and historically significant homes. Free Literature. 800-527-0896. www.unicosystem.com.

Wirsbo421

See our ad on page 5

Comfort for your new or remodeled home- Wirsbo systems turn beautiful floors into warm and cozy radiators. Clean, quiet heating that saves you money on your fuel bills. Free literature. 800-321-4739. www.wirsbo.com.

Acorn Manufacturing pg. 77112
Forged Iron. Free literature. 800-835-0121.

Adams Architectural Wood Products pg. 112 .176
Traditional wood storms, screens and sash individually handcrafted to your specifications. Free Literature. 888-285-8120. www.adamsarch.com

Aged Woods pg. 109492
800-233-9307 (U.S. & Canada). www.agedwoods.com.

Al Bar-Wilmette Platers pg. 80114
Specialists in restoration of door and window hardware, lighting fixtures, cabinet hardware, plumbing fixtures and other metal items. Large collection of antique hardware available. Free Literature. 847-251-0187.

Albany Woodworks pg. 77115
Heart pine flooring & beams. Antique cypress, expert custom milling, doors, shutters. American hardwood flooring rustic or elegant, prefinished and gluedown. Free literature. 800-551-1282. www.albanywoodworks.com.

American Home Supply pg. 92116
Reproduction Lighting & Hardware. \$4 catalog. 408-246-1962.

American International Tool Ind. Inc. pg. 80 . .117
Manufacture and sell Paint Shaver and Sander Vac paint removal products for regular & lead paint. Free literature. 800-932-5872. www.aitool.com.

Architectural Grille pg. 11376
Bar grilles & perforated grilles custom made in any material or finish for heating and ventilating. Free Literature. 718-832-1200. www.archgrille.com.

Architectural Timber & Millwork pg. 112 . .119
Architectural Millwork. Free literature. 800-430-5473.

ARSCO Manufacturing pg. 83120
Radiator covers and enclosures for steam and hot water heating systems. Free Literature. 800-543-7040. www.arscomfg.com.

Ball & Ball pg. 100243
Victorian Hardware. \$7 catalog. 800-257-3711. www.ballandball-us.com

Belmont Technical College pg. 83122
Assoc. degree in Building Preservation. Free literature. 740-695-9500, ext. 4006. www.preserve@belmont.cc.oh.us

Bird-X pg. 80124
End Bird Pollution. Free literature 312-ban-bird. www.bird-x.com.

Bradbury & Bradbury pg. 85125
Art wallpapers. \$12.00 catalog. 707-746-1900. www.bradbury.com.

Broad Axe Beam Company pg. 92320
Pine flooring 802-257-0064. www.broad-axebeam.com.

Carter & Company pg. 72531
Award-winning historic wallpaper reproductions. www.carterandco.com

Chadsworth's 1.800.Columns pg. 105 . . .87
Wood, PolyStone™ and fiberglass columns. Free Flier. Idea book \$15 includes product portfolio. 800-486-2118. www.columns.com.

Charles Rupert Designs pg. 93
William Morris, Victorian and arts & crafts wallpaper, fabric and tiles, by mail order. On-line catalogue and sample cutting service. Free Literature. 250-592-4916. www.charles-rupert.com

Chelsea Decorative Metal pg. 77131
Tin Ceilings. \$1 brochure. 713-721-9200. www.thetinman.com

Chestnut Specialists pg. 72132
Custom milled flooring from reclaimed antique barn lumber. Hand hewn beams, weathered barnsiding. Chestnut, oak, pine. Free Literature. 860-283-4209. www.chestnutspecialists.com

Classic Accents pg. 85134
Makers of push-button light switches, wall plates, fancy tassels, cord, moulding, Hook & Edison light bulbs, etc. \$2 catalog. www.classicaccents.net.

Classic Gutter Systems pg. 77135
Gutter Projects. Free literature. 616-382-2700. www.classicgutters.com.

Controlled Energy pg. 111136
European Style Tankless Water Heater. Free literature. 800-642-3199. www.cechot.com.

Country Road Associates, LTD pg. 80 . .139
Country Road sells 19th Century reclaimed wood for flooring in pine, chestnut, oak, heartpine and hemlock. Barnsiding and hand-hewn beams. \$3.00 catalog. 914-677-6041. www.countryroadassociates.com.

Craftsman Lumber pg. 113140
Craftsman Lumber has provided custom milled wide plank flooring and paneling to homeowners, builders and architects for over 25 years. Free literature. 978-448-5621. www.craftsmanlumber.com.

Crown Point Cabinetry pgs. 103, 105, 107
Shaker & Early American cabinetry. Free color literature. 800-999-4994. www.crown-point.com.

Cumberland Woodcraft pg. 105141
Victorian Millwork. \$5 color catalog. 717-243-0063. www.cumberlandwoodcraft.com.

Custom Wood Turnings pg. 85142
Manufacturer of custom balusters, newel posts, handrail, porch posts, finials, legs and bedposts. Visa and Mastercard accepted. \$5.50 catalog. 860-767-3236.

Donald Durham pg. 100147
Rock-Hard Putty. Free literature. 515-243-0491. www.waterputty.com.

Erie Landmark pg. 73149
Custom-Made Plaques. Free brochure. 800-874-7848. www.erielandmark.com.

Good Time Stove pg. 98160
Antique Stoves. 888-282-7506. www.goodtimestove.com

Goodwin Heart Pine pg. 101386
Goodwin offers beauty and durability...in floors, stairs, and millwork. Choose River-Recovered™ for elegance or Legacy™ for a rustic look. \$5 Literature. 800-336-3118. www.heartpine.com

Granville Manufacturing pg. 105162
Quartersawn Clapboards. Free brochure. 802-767-4747. www.woodsiding.com

Grate Vents pg. 101163
Manufacturer of wooden floor and wall mounted grates. Egg crate or Louver styles. From 2"x10" to 20"x32". Special orders welcome. \$2.00 brochure. 815-459-4306.

HomeSaver Chimney Liners pg. 85
Call for free brochure on restoring great old chimneys and get the name of an installer in your area. 800-437-6685. www.homesaver.com.

Inclinor Company of America pg. 105 . .234
Elevators. Free brochure. 717-234-8065.

International Door & Latch pg. 102 . . .510
Handcrafted solid wood entry, interior doors, various wood, custom leaded glass. Prehanging, prefinishing available. Solid forged door hardware. Shipped anywhere. 888-686-DOOR (3667)

Jomy Safty Products pg. 84358
Retractable and collapsible ladders, staircases, and balconies. 800-255-2592. www.jomy.com.

King's Chandelier Company pg. 112 . . .172
Victorian reproductions of hand polished brass and traditional crystal chandeliers and sconces. \$5.00 color catalog. 336-623-6188. www.chandelier.com

Liberty Cedar pg. 111457
Call 800-88-CEDAR.

Materials Unlimited pg. 111359
The look of Spanish tile without the weight. Free literature. 909-947-0311. www.met-tile.com/roof

M.L. Condon pg. 98527
Hardwood Floors. Free Literature.

Mountain Lumber pg. 84372
800-445-2671. www.mountainlumber.com.

Nixalite of America pg. 92178
Pigeon Control. Free brochure. 800-624-1189. www.nixalite.com

Old California Lantern pg. 15404
Californian history and architecture inspire our lantern designs. Pasadena series of Arts & Crafts Lanterns, Shutters Mill series of mid-1800's oil lanterns. \$5 catalog. 800-577-6679. www.oldcalifornia.com.

Ole Fashion Things pg. 102433
Supplier of clawfoot tub shower enclosures, handheld showers, tub fillers, drains, supply sets and accessories. Brass, chrome and nickel finishes. Free Literature. 337-234-4800.

Preservation Products pg. 77185
Preservation & Restoration. Free catalog. 800-553-0523. www.preservationproducts.com.

ProTech Systems pg. 113187
Chimney Liners. Free catalog. 518-463-7284. www.hearth.com/pts.

Radiantec pg. 104
Clean, comfortable and efficient underfloor radiant heat for less than the cost of baseboard hot water from Radiantec. Free Literature. 800-451-7593. www.radiantec.com

Recycling the Past pg. 97405
Architectural Salvage for Home and Garden. 609.660.9790. www.recyclingthepast.com.

Reggio Register pg. 93189
Manufacturer of a complete line of elegant cast-brass, cast-iron, cast-aluminum and wooden decorative grilles and registers. Free Literature. 978-772-3493. www.reggioregister.com.

Roger Williams University pg. 102 . . .349
B.S. in Historic Preservation. 1-866-264-9767.

Roy Electric pg. 80192
Manufacturers of Victorian, turn-of-the-century, and Arts & Crafts lighting. Gas, gas and electric and electric fixtures; interior and exterior, sconces, pendants, wall brackets. Selection of antique lighting also available as well as complete restoration services. Free color catalog. 800-366-3347. www.westfieldnj.com/roy.

For more information use circle numbers in red when ordering by phone, fax, mail or e-mail.

Salter Industries pg. 109193

Stairs. Free literature. 800-368-8280.

Sanitary For All pg. 98500

Macerating systems allow installation of extra bathroom facilities almost anywhere in a building. It's no longer dictated by the need for gravity flow. Free literature. 519-824-1134. www.saniflo.com.

Snelling's Thermo-Vac, Inc. pg. 101 .448

Decorative Ceiling Tiles. Free literature. 318-929-7398.

Stairworld pg. 102198

Staircases & Stair Parts. Free catalog. 800-387-7711. www.stairworld.com

Texas Iron Gate & Fence pg. 111 . . .281

Iron fences, gates, beds and garden borders. \$4. brochure. 940-627-2718. www.texasironfence.com.

Timberlane Woodcrafters pg. 100 . . .205

Shutters. Free color catalog. 800-250-2221. www.timberlane-wood.com.

Vintage Woodworks pg. 109214

Architectural Details. Vast array of brackets, corbels, gable decorations, mouldings, porch parts, screen doors, & much more! Vintage Woodworks. Master Catalog, \$3. 903-356-2158.

W.F. Norman Corp. pgs. 83, 85 .211, 402

Tin Ceilings. \$3 catalog. Architectural Sheet Metal Ornaments. \$2.50 catalog. 800-641-4038.

Ward Clapboard Mill pg. 83212

Quartersawn Clapboards. Free brochure. 802-496-3581.

Welsh Mountain Slate pg. 104459

Slate-look roof shingle made from recycled tire rubber and polymers. Free literature. 800-865-8784. www.welshmountainslate.com.

Windy Ridge Corp. pg. 93514

Available in 3 styles, our elegant cabinets are heat efficient and durable: over 12,000 cabinets sold in the past ten years! Free Literature. 800-817-9110.

X-I-M pg. 83218

When Ordinary Primers are Not Enough. Free Literature. 800-603-9956.



Salter Industries

The Best Value in Spiral Stairs

BUY FACTORY DIRECT

- Job Delivery Coast to Coast
- Save 30% to 50%
- Quick Ship on Stock Stairs
- Diameters 3'6" to 7'

Stairs available
in steel, aluminum
and solid wood.

call now
610 831-1211
for a free brochure

P.O. Box 183
Eagleville, PA 19408

www.salterspiralstair.com



Circle no. 193

"We Preserve the Past by
Giving it a Future."[®]

100% Reclaimed, Remilled
Antique Flooring.

Aged Woods[®]

Reclaimed Remilled Antique Flooring.

(800) 233-9307 (US & Canada)
www.agedwoods.com



Circle no. 492

Many Years Ago
we announced the availability of
our old-fashioned solid wood


Architectural Details!

Now our amazing 192 page
Master Catalog
overflows with Victorian & Country
Gingerbread and other romantic
designer details. Over 130 color
photos of products in use, lots of
valuable how-to information, and
numerous detailed drawings!

MASTER
CATALOG

192 great pages \$3
(or **FREE** with
Porch Book below!)



**Gable
Decorations**

*were an instant success when
we began offering designs to fit any
standard roof pitch. Easy ordering is
fully explained in our Catalogue.*

Over the Kitchen Sink...




*became a choice location
as our custom-length
SPANDRELS brightened your
rooms and porches!*

Plain Doorways?

*Not since everyone
discovered our vast
array of **BRACKETS**!*

*And don't forget our
elegant & functional
SCREEN/STORM DOORS
for lasting first
impressions!*




*Bringing Back
Yesterday in
Quality & Service!*




Also- our 208 page
Porch Design Book
How to design, build, and
decorate your dream porch!
\$6⁹⁵ (Incl. **FREE** Master Catalog)
Optional Priority Mail \$3

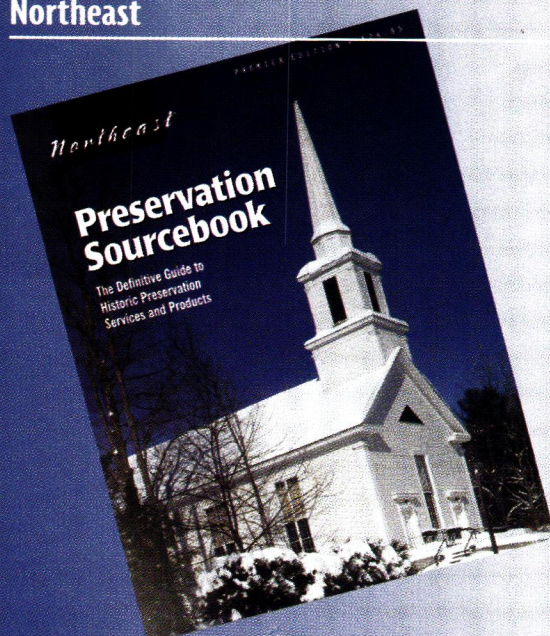
VINTAGE WOODWORKS

Hwy 34 S • PO Box 39 MSC 3909
Quinlan, Texas 75474-0039
(903) 356-2158
www.vintagewoodworks.com

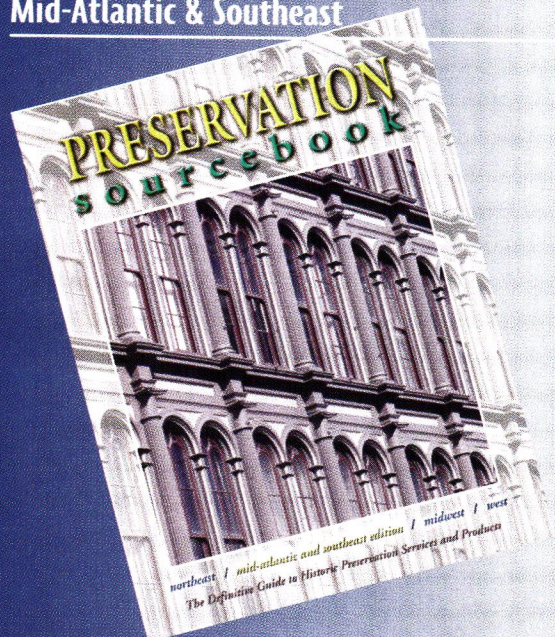
© VWW 2001

Circle no. 214

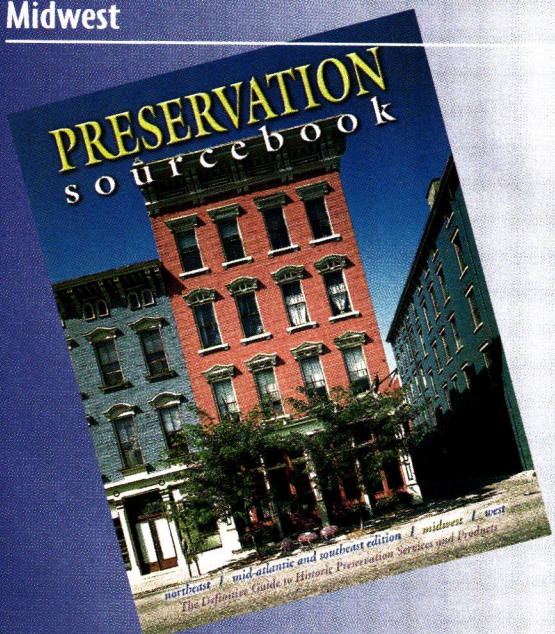
Northeast



Mid-Atlantic & Southeast



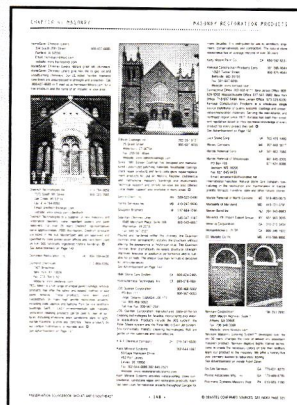
Midwest



If you own, manage, or
restore historic buildings,
you need

PRESERVATION sourcebook

If you've ever been involved in the restoration of a historic home or building, you know the most difficult job is finding the right people to do the work. Historic buildings, landscapes, and interiors require sensitive treatment by experienced hands. *Preservation Sourcebook* is a specialized directory that puts you in touch with your regional network of preservation consultants, researchers, planners, architects, engineers, and contractors. Enjoy peace of mind when you work with skilled artisans, tradespeople, and conservators. Locate hard-to-find products and materials available through local and national suppliers.

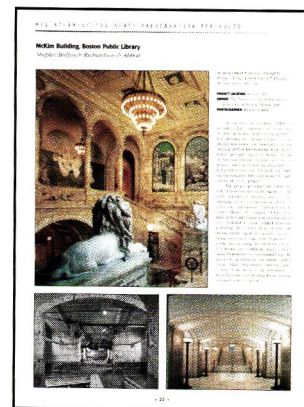


Directory Listings

Spring 2001, covers the entire mid-section of the U.S., including Texas. The Western Edition will debut in 2002.

Sourcebook Features

- **Preservation Portfolio:** This colorful showcase of regional historic preservation projects is the centerpiece of each Edition. Projects range from rural farmhouses to Art Deco skyscrapers—and everything in between. Each Profile is presented by a member of the project's restoration team. Photographs and description highlight the firm's contribution, plus intriguing information about the building's history, the challenges of the project, etc.
- **Preservation Directory:** Over 200 detailed sections are divided among 13 chapters. Within each section are company listings, featuring phone and fax numbers, Website and Email addresses, and descriptions. Some listings also include photographs.
- **Directory Chapters:** Research & Planning; Design & Project Management; Sitework; Concrete; Masonry; Metal; Wood; Roofing, Siding, & Waterproofing; Doors, Windows & Hardware; Interior Finishes; Furnishings; Specialty Tools/Products/Services; Plumbing & Conveying Systems; Electrical & Lighting
- **Preservation Organizations:** Find Listings for preservation organizations and programs at the national, state, and local levels.
- **Confirmed Sources:** Companies who provide documentation for three or more recent historic restoration projects are designated as 'Confirmed Sources'.



Preservation Portfolio

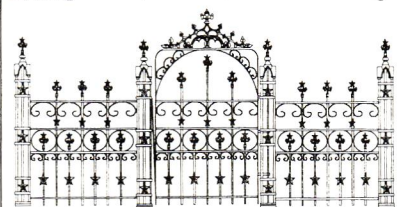
Retail Price
\$24.95

To order, call 800-707-4330 or visit
www.PreservationWeb.com

Preservation Publications LLC
P.O. Box 1329, Vienna VA 22180 ■ Tel. 703-255-6803 ■ Fax 703-319-3815

THE **★ TEXAS ★**
IRON FENCE & GATE CO.
 Formerly Central Exchange

**Manufacturer of Iron Fencing,
 Gates, Beds, and Railings**



CATALOG \$4.00

MANY STYLES

WE SHIP ANYWHERE

CUSTOM DESIGN AVAILABLE

www.TexasIronFence.com



Box 839 Decatur, TX 76234 76234
 940-627-2718 ★ 940-627-7184 Fax

Circle no. 281

AquaStar by BOSCH
 THE BETTER WATER HEATER



**Endless relaxation begins
 with endless hot water.**

With the AquaStar, you'll never run out of hot water again. The tankless design heats water instantly for as long as it's needed. And, while AquaStar produces far more hot

water than a conventional tank heater, it costs far less to operate. Which means you can also relax whenever you open your energy bill. To learn more, visit our Web site. Available in LP or natural gas.



H: 29 3/4" W: 18 1/4" D: 8 3/4"

CONTROLLED ENERGY CORPORATION 800-642-3199 www.ControlledEnergy.com

AOHJ0900

Circle no. 136



LIBERTY CEDAR
 EXTERIOR WOOD PRODUCTS

WESTERN RED CEDAR • DOUGLAS FIR
 REDWOOD • CYPRESS • MAHOGANY

Roofing • Siding • Decks • Trim

TAPERSAWN SHAKES 5/8" x 18"

Roofing for historic projects a specialty

HIP & RIDGE CAP
 STOCK & CUSTOM FANCY CUTS

CUSTOM ORDERS WELCOME

535 LIBERTY LANE
 WEST KINGSTON, R.I. 02892

800-88CEDAR 401-789-6626
 FAX 401-789-0320

WE SUPPORT SUSTAINABLE & RENEWABLE
 RESOURCE MANAGEMENT



Circle no. 457

Materials Unlimited.



Specializing in antique architectural...doors & hardware, mantels, lighting, stained and beveled glass, columns, decorative stone and ironwork, period furniture and accessories, for over 25 years.

SHOWROOM HOURS: 10AM-5PM MONDAY THRU SATURDAY

TWO WEST MICHIGAN AVE./YPSILANTI, MI 48197
 (800)299-9462 or www.materialsunlimited.com

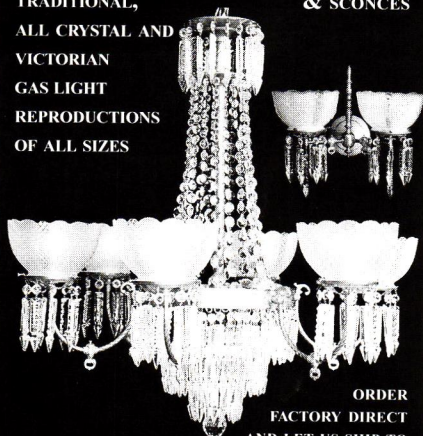
Circle no. 359

ELEGANCE YOU CAN AFFORD

KING'S CHANDELIER CO.

\$5 FOR A COLOR CATALOG SHOWING
OVER 100 OF OUR CHANDELIERS

TRADITIONAL,
ALL CRYSTAL AND
VICTORIAN
GAS LIGHT
REPRODUCTIONS
OF ALL SIZES



ORDER
FACTORY DIRECT
AND LET US SHIP TO
YOU OR VISIT
OUR SHOWROOM

PO Box 667, DEPT OJ,
EDEN NC 27289
336-623-6188 CRYSTAL@VNET.NET
WWW.CHANDELIER.COM

Circle no. 172

Antique Wide Plank Flooring

Heart Pine
Eastern White Pine
Red Pine
Chestnut
Oak

New Plank Flooring

Ash, Maple, Oak, Cherry,
Eastern White Pine

Antique & Reproduction Beams & Timber Frames

Hand-hewn, Rough-sawn & Planed Surfaces
Mortise & Tenon, Dovetail Joinery

A

rchitectural
Timber & Millwork

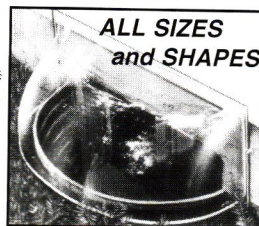
49 Mt. Warner Road
P.O. Box 719, Hadley, MA 01035
FAX 413.586.3046
800.430.5473

Circle no. 119

www.windowbubble.com

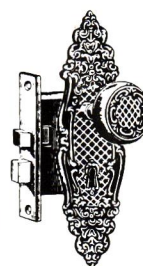


**WINDOW
BUBBLE**
BUILT TO YOUR
WELL MEASURE-
MENTS



ALL SIZES
and SHAPES

A complete line of covers for metal or masonry basement window wells. Insulate and protect with extra thick clear, rigid Plexiglas. For measuring instructions and brochure: **DILWORTH MFG. CO.** Box 158, Dept. J2-1, Honey Brook, PA 19344-0158
PHONE 717-354-8956 FAX 717-355-0511

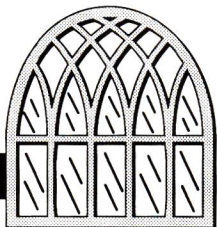


Authentic Antique Hardware

- One of a Kind
- No Reproduction
- Door Hardware
- Furniture Hardware
- Door Knockers
- Curtain Tie-backs
- Twist Bells

Eugenia's

5370 Peachtree Road, Chamblee (Atlanta), GA 30341
800-337-1677 Bus. (770) 458-1677 Fax (770) 458-5966
e-mail: eugeniahardware@mindspring.com
eugeniaantiquehardware.com



ADAMS ARCHITECTURAL WOOD PRODUCTS

**Traditional Storms, Screens
and Sash; Mortise and
Tenon—no finger jointing.**

Individually handcrafted to
your specifications.
Quick turnaround. Cost?
Less than you think.

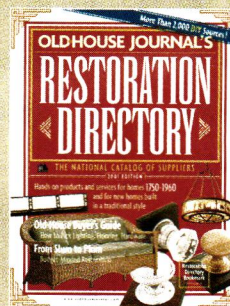
Call **1-888-285-8120** to
speak with one of our specialists.



300 Trails Road, Eldridge, IA 52748
www.adamsarch.com • fax 319-285-8003
Formerly Midwest Architectural Wood Products LTD.

Circle no. 176

An OLD HOUSE is being restored, a New House is being built in a Traditional Style, you need the 2001 OLDHOUSE JOURNAL'S Restoration Directory



2001 Edition Now On Sale

Just \$14.95, call to order
via mail 800.931.2931.

Where To Find Hard-To-Find Stuff

**OLDHOUSE
JOURNAL**



A Hanley-Wood LLC Publication



Authentic Colonial and Shaker Finish
The Original - Nothing else even comes close!
 IN POWDER FORM ADD WATER AND MIX
 16 DEEP, RICH COLORS
environmentally safe - non-toxic - odor free
easy to use - long wearing - won't fade
 Our web site is a treasure trove. See the colors,
 examples and tech.data at www.milkpaint.com.
The Old-Fashioned Milk Paint Company, Inc.
 Dep't. J. P.O.Box 222 Groton, MA. 01450-0222
 Telephone (978) 448-6336 FAX (978) 448-2754

WIDE Flooring

Paneling • Wainscoting
PINE to 32" wide OAK to 18" wide

Kiln dried to 6%-8% Milled to your specifications

Send \$2.00 for informative literature and grading photos to:

Craftsman Lumber Company, Inc.

Box 222, 436 Main St. Groton, MA 01450

or phone us at (978) 448-5621 Fax (978) 448-2754

Visit our web site at: www.craftsmanlumber.com

Satisfying Architects, Builders and Homeowners nationwide since 1974

BEST QUALITY

BEST SERVICE

BEST PRICES

Circle no. 140

OLDHOUSE JOURNAL

The original historic home renovation resource.
 Every issue delivers detailed, accurate how-to
 information, restoration and renovation products,
 creative period decorating ideas and imaginative
 solutions to difficult projects.

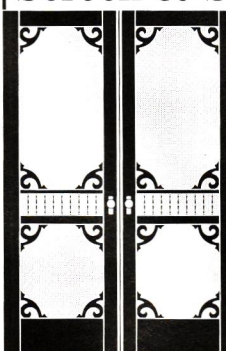
Call 1.800.234.3797

to start your subscription

to OLD-HOUSE JOURNAL

www.oldhousejournal.com

Screen & Storm Doors



- Mahogany
- Custom sizes
- Tempered glass
- 55 styles

Send \$3 for our catalog

**Touchstone
Woodworks**

PO Box 112

Dept OHJ

Ravenna OH 44266

(330) 297-1313

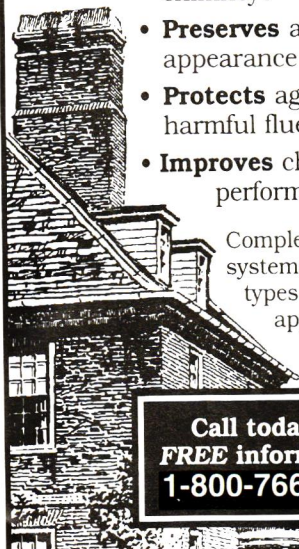
Recommended in *Shop Talk*, *The Boston Globe*!

The Woodfactory
Authentic Victorian Millworks
 111 Railroad St., Dept. OHJ
 Navasota, TX 77868
 936-825-7233
Moldings • Screen Doors • Porch Parts
Custom Woodwork • Ornamental Trim
 Send \$2.00 for a Catalog

VENTINOX Liners Save Chimneys!

...and provide safe, reliable
 venting for gas, oil and wood.

- **Restores** deteriorated chimneys
- **Preserves** aesthetic appearance
- **Protects** against harmful flue gases
- **Improves** chimney performance



Complete lining
 systems for all
 types of heating
 appliances &
 fireplaces.

**Call today for
 FREE information!
 1-800-766-3473**

ProTech Systems, Inc.
 26 Gansevoort St., Albany, NY 12202
www.protechinfo.com
Leaders In Chimney Technology

Circle no. 187

Architectural Grille

Custom Designed Fabricated & Finished

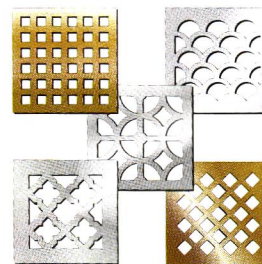
- Perforated Grilles
- Bar Grilles
- Curved Grilles
- Custom Gratings & Logos with Waterjet

STOCK SIZES AVAILABLE

Materials : Aluminum, Brass, Bronze, Steel and
 Stainless Steel

Finishes : Mirror Polish, Satin, Statuary Bronze, Primed,
 Anodized Colors and Baked Enamel Colors

Call for FREE Catalog!!



Division of Giumenta Corporation
 77 14th Street, Brooklyn, New York 11215
 Tel: 718-832-1200 / Fax: 718-832-1390 / 1-800-387-6267 (outside NY only)
 Web: www.archgrille.com / E-Mail : ag@archgrille.com

Circle no. 76

RE **M**UDDLING

Opinion



WINGING IT

Given the clutch of remuddlings in this issue, we saved one worth crowing about for the signature page. From Milwaukee, Wisc., comes a center-hall house with a recent two-storey extension flying over the front entrance (above), and a second extension perched off the back (inset). A similar Colonial-style house (at right) broods across the street. One wonders what surprises are cooped up inside.

WIN FAME AND \$100.

If you spot a classic example of remuddling, send us clear color prints. We'll award you \$100 if your photos are selected. The message is more dramatic if you send along a picture of a similar unremuddled building. (Original photography only, please; no clippings.)

Remuddling Editor, Old-House Journal, One Thomas Circle N.W., Suite 600,
Washington, D.C. 20005